API Well Number: 43013526810000

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

## APPLICATION FOR PERMIT TO DRILL

**1. WELL NAME and NUMBER**
GMBU 102-8-9-16

**2. TYPE OF WORK**
DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○

**3. FIELD OR WILDCAT**
MONUMENT BUTTE

**4. TYPE OF WELL**
Oil Well Coalbed Methane Well: NO

**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
GMBU (GRRV)

**6. NAME OF OPERATOR**
NEWFIELD PRODUCTION COMPANY

**7. OPERATOR PHONE**
435 646-4825

**8. ADDRESS OF OPERATOR**
Rt 3 Box 3630 , Myton, UT, 84052

**9. OPERATOR E-MAIL**
mcrozier@newfield.com

**10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)**
UTU-020255

**11. MINERAL OWNERSHIP**
FEDERAL ● INDIAN ○ STATE ○ FEE ○

**12. SURFACE OWNERSHIP**
FEDERAL ● INDIAN ○ STATE ○ FEE ○

**13. NAME OF SURFACE OWNER (if box 12 = 'fee')**

**14. SURFACE OWNER PHONE (if box 12 = 'fee')**

**15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')**

**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**

**17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')**

**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS**
YES ○ (Submit Commingling Application) NO ●

**19. SLANT**
VERTICAL ○ DIRECTIONAL ● HORIZONTAL ○

| 20. LOCATION OF WELL | FOOTAGES | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN |
|---|---|---|---|---|---|---|
| LOCATION AT SURFACE | 541 FNL 2107 FEL | NWNE | 8 | 9.0 S | 16.0 E | S |
| Top of Uppermost Producing Zone | 176 FNL 1883 FEL | NWNE | 8 | 9.0 S | 16.0 E | S |
| At Total Depth | 119 FSL 1687 FEL | SWSE | 5 | 9.0 S | 16.0 E | S |

**21. COUNTY**
DUCHESNE

**22. DISTANCE TO NEAREST LEASE LINE (Feet)**
119

**23. NUMBER OF ACRES IN DRILLING UNIT**
10

**25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)**
737

**26. PROPOSED DEPTH**
MD: 6207 TVD: 6150

**27. ELEVATION - GROUND LEVEL**
5833

**28. BOND NUMBER**
WYB000493

**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE**
437478

### Hole, Casing, and Cement Information

| String | Hole Size | Casing Size | Length | Weight | Grade & Thread | Max Mud Wt. | Cement | Sacks | Yield | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| Surf | 12.25 | 8.625 | 0 - 300 | 24.0 | J-55 ST&C | 8.3 | Class G | 138 | 1.17 | 15.8 |
| Prod | 7.875 | 5.5 | 0 - 6207 | 15.5 | J-55 LT&C | 8.3 | Premium Lite High Strength | 291 | 3.26 | 11.0 |
| | | | | | | | 50/50 Poz | 363 | 1.24 | 14.3 |

### ATTACHMENTS

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

**NAME** Mandie Crozier | **TITLE** Regulatory Tech | **PHONE** 435 646-4825

**SIGNATURE** | **DATE** 11/14/2013 | **EMAIL** mcrozier@newfield.com

**API NUMBER ASSIGNED**
43013526810000

**APPROVAL**

Permit Manager

RECEIVED: November 26, 2013

NEWFIELD PRODUCTION COMPANY
GMBU 102-8-9-16
AT SURFACE: NW/NE SECTION 8, T9S R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

| | | |
|---|---|---|
| Uinta | 0' – | 1720' |
| Green River | | 1720' |
| Wasatch | | 6305' |
| **Proposed TD** | 6207'(MD) | 6150' (TVD) |

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1720' – 6305'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

| | |
|---|---|
| Location & Sampled Interval | Date Sampled |
| Flow Rate | Temperature |
| Hardness | pH |
| Water Classification (State of Utah) | Dissolved Calcium (Ca) (mg/l) |
| Dissolved Iron (Fe) (ug/l) | Dissolved Sodium (Na) (mg/l) |
| Dissolved Magnesium (Mg) (mg/l) | Dissolved Carbonate ($CO_3$) (mg/l) |
| Dissolved Bicarbonate ($NaHCO_3$) (mg/l) | Dissolved Chloride (Cl) (mg/l) |
| Dissolved Sulfate ($SO_4$) (mg/l) | Dissolved Total Solids (TDS) (mg/l) |

RECEIVED: November 14, 2013

## 4. *PROPOSED CASING PROGRAM*

### a. Casing Design: GMBU 102-8-9-16

| Size | Interval | | Weight | Grade | Coupling | Design Factors | | |
|---|---|---|---|---|---|---|---|---|
| | Top | Bottom | | | | Burst | Collapse | Tension |
| Surface casing<br>8-5/8" | 0' | 300' | 24.0 | J-55 | STC | 2,950<br>17.53 | 1,370<br>14.35 | 244,000<br>33.89 |
| Prod casing<br>5-1/2" | 0' | 6,207' | 15.5 | J-55 | LTC | 4,810<br>2.44 | 4,040<br>2.05 | 217,000<br>2.26 |

Assumptions:
1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
2) Prod casing MASP (production mode) = Pore pressure – gas gradient
3) All collapse calculations assume fully evacuated casing w/ gas gradient
4) All tension calculations assume air weight

| | |
|---|---|
| Frac gradient at surface casing shoe = | 13.0 ppg |
| Pore pressure at surface casing shoe = | 8.33 ppg |
| Pore pressure at prod casing shoe = | 8.33 ppg |
| Gas gradient = | 0.115 psi/ft |

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

### b. Cementing Design: GMBU 102-8-9-16

| Job | Fill | Description | Sacks<br>$ft^3$ | OH Excess* | Weight (ppg) | Yield ($ft^3$/sk) |
|---|---|---|---|---|---|---|
| Surface casing | 300' | Class G w/ 2% CaCl | 138<br>161 | 30% | 15.8 | 1.17 |
| Prod casing<br>Lead | 4,207' | Prem Lite II w/ 10% gel + 3% KCl | 291<br>948 | 30% | 11.0 | 3.26 |
| Prod casing<br>Tail | 2,000' | 50/50 Poz w/ 2% gel + 3% KCl | 363<br>451 | 30% | 14.3 | 1.24 |

*Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

## 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ±300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

RECEIVED: November 14, 2013

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2014, and take approximately seven (7) days from spud to rig release.

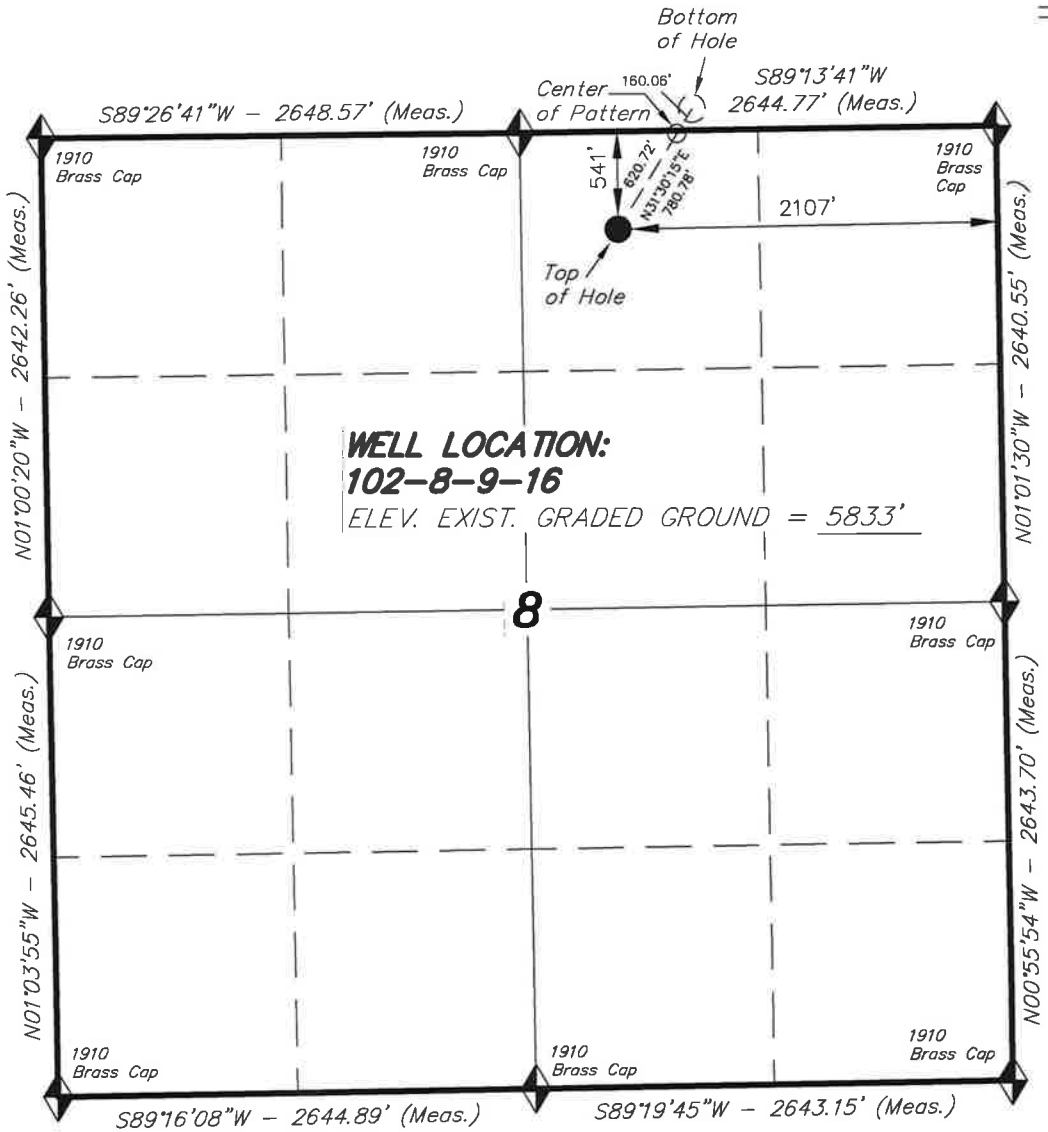
RECEIVED: November 14, 2013

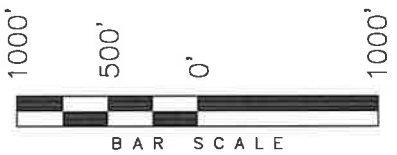
API Well Number: 43013526810000

# T9S, R16E, S.L.B.&M.

## NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 102-8-9-16, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 OF SECTION 8, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.





**NOTES:**

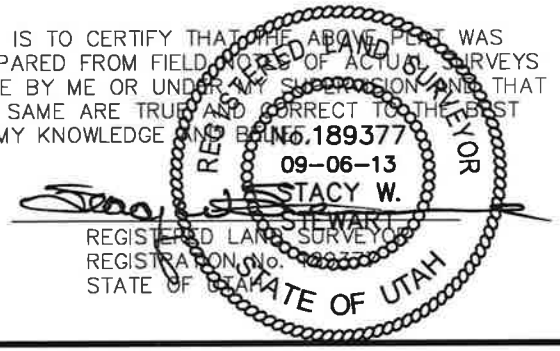
1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern footages are 17' FNL & 1773' FEL.

= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

| NAD 83 (CENTER OF PATTERN) | NAD 83 (SURFACE LOCATION) |
|---|---|
| LATITUDE = 40°03'09.33" | LATITUDE = 40°03'04.15" |
| LONGITUDE = 110°08'24.42" | LONGITUDE = 110°08'28.69" |
| **NAD 27 (CENTER OF PATTERN)** | **NAD 27 (SURFACE LOCATION)** |
| LATITUDE = 40°03'09.46" | LATITUDE = 40°03'04.28" |
| LONGITUDE = 110°08'21.88" | LONGITUDE = 110°08'26.15" |

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.




REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

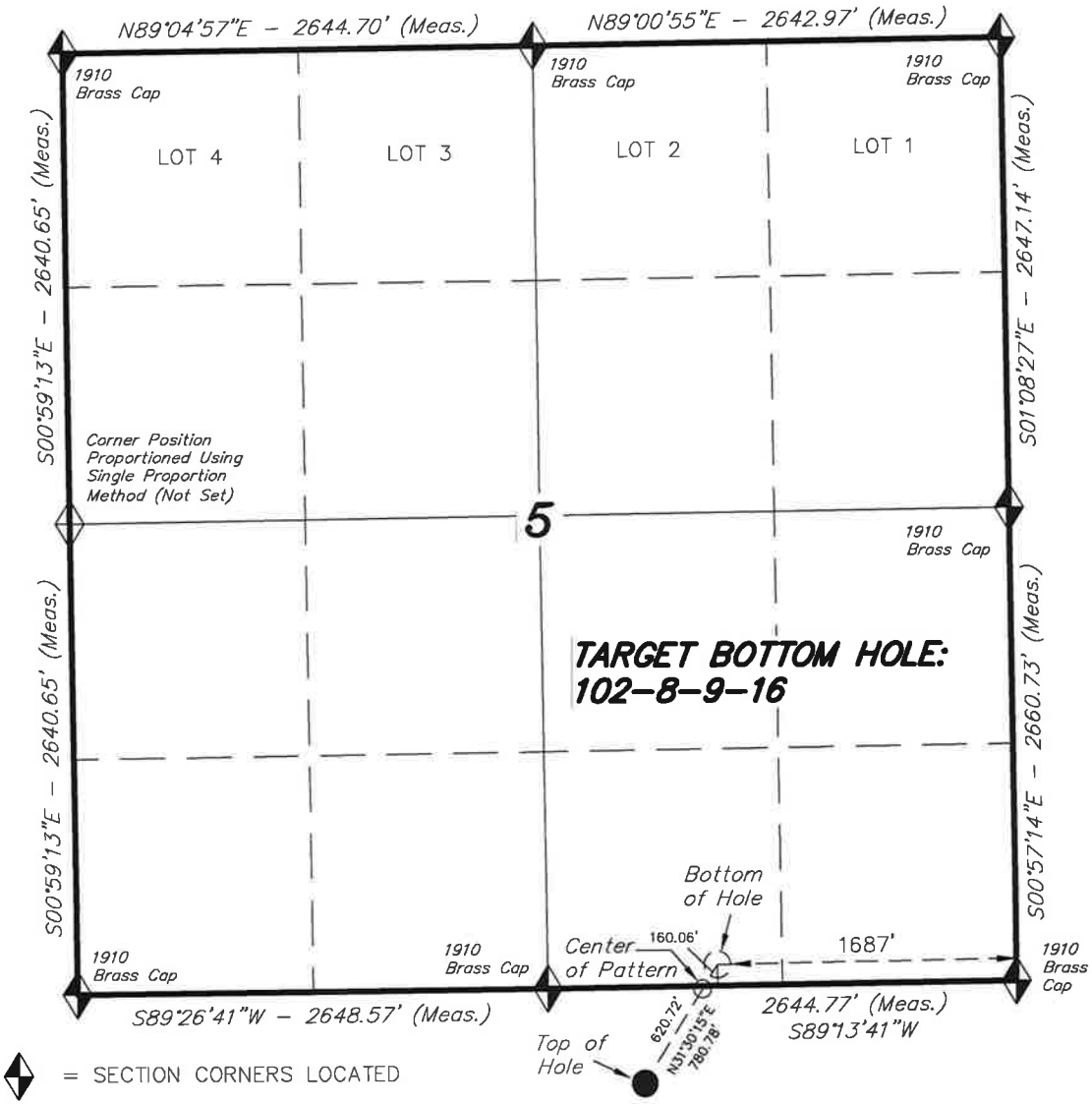
| | | |
|---|---|---|
| DATE SURVEYED: 07-31-13 | SURVEYED BY: Q.M. | VERSION: |
| DATE DRAWN: 09-06-13 | DRAWN BY: F.T.M. | V1 |
| REVISED: | SCALE: 1" = 1000' | |

API Well Number: 43013526810000

# T9S, R16E, S.L.B.&M.

## NEWFIELD EXPLORATION COMPANY

TARGET BOTTOM HOLE, 102-8-9-16,
LOCATED AS SHOWN IN THE SW 1/4
SE 1/4 OF SECTION 5, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.




1000' 500' 0' 1000'

BAR SCALE

**NOTES:**

1. *Well footages are measured at right angles to the Section Lines.*
2. *Bearings are based on Global Positioning Satellite observations.*
3. *The Bottom of Hole footages are 119' FSL & 1687' FEL.*

N

= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

| NAD 83 (BOTTOM HOLE LOCATION) |
|---|
| LATITUDE = 40°03'10.66" |
| LONGITUDE = 110°08'23.32" |
| **NAD 27 (BOTTOM HOLE LOCATION)** |
| LATITUDE = 40°03'10.80" |
| LONGITUDE = 110°08'20.77" |

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

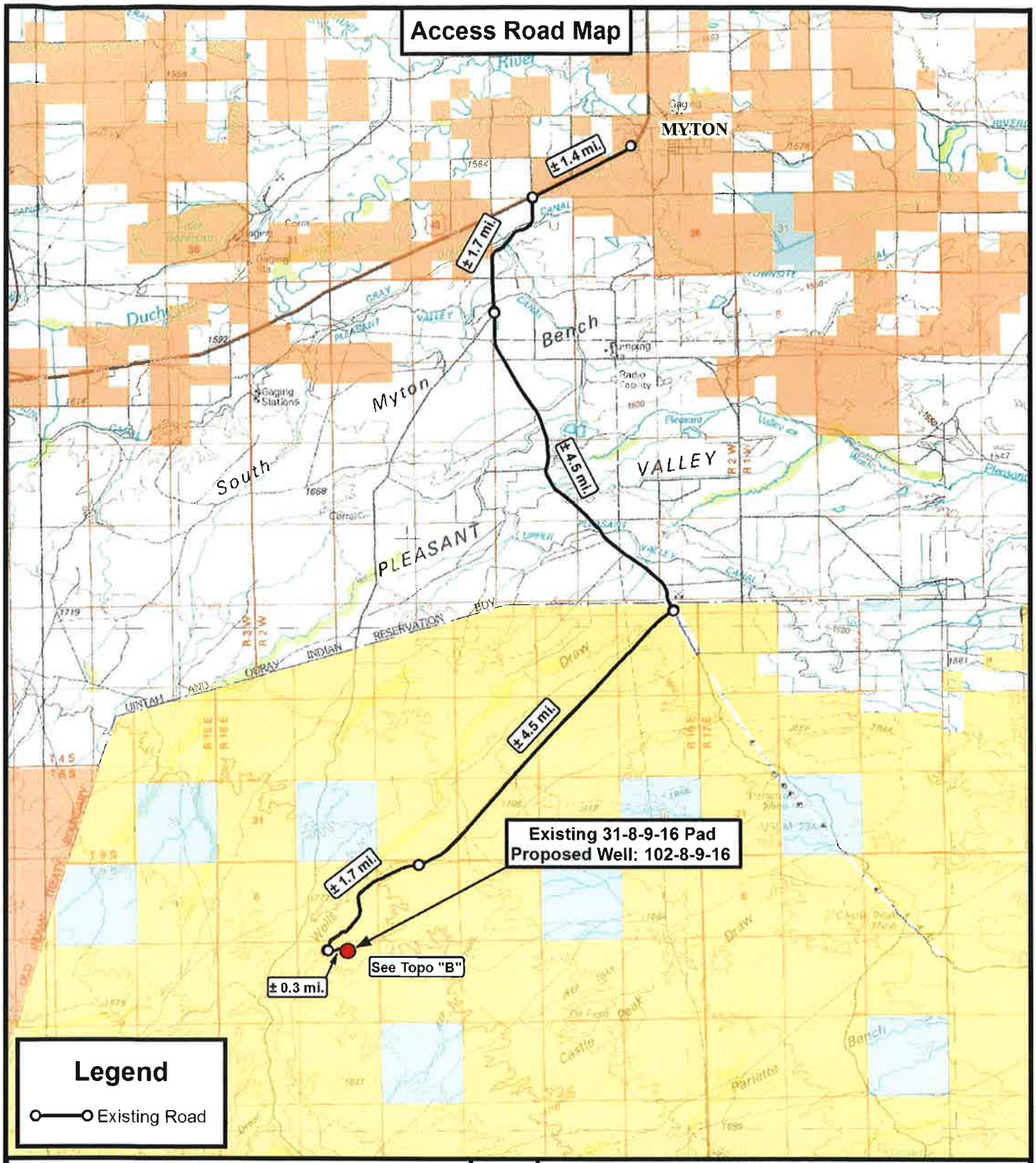
REGISTERED LAND SURVEYOR No. 189377 09-06-13 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

| | | |
|---|---|---|
| DATE SURVEYED: 07-31-13 | SURVEYED BY: Q.M. | VERSION: |
| DATE DRAWN: 09-06-13 | DRAWN BY: F.T.M. | V1 |
| REVISED: | SCALE: 1" = 1000' | |

API Well Number: 43013526810000





Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518


N

**NEWFIELD EXPLORATION COMPANY**

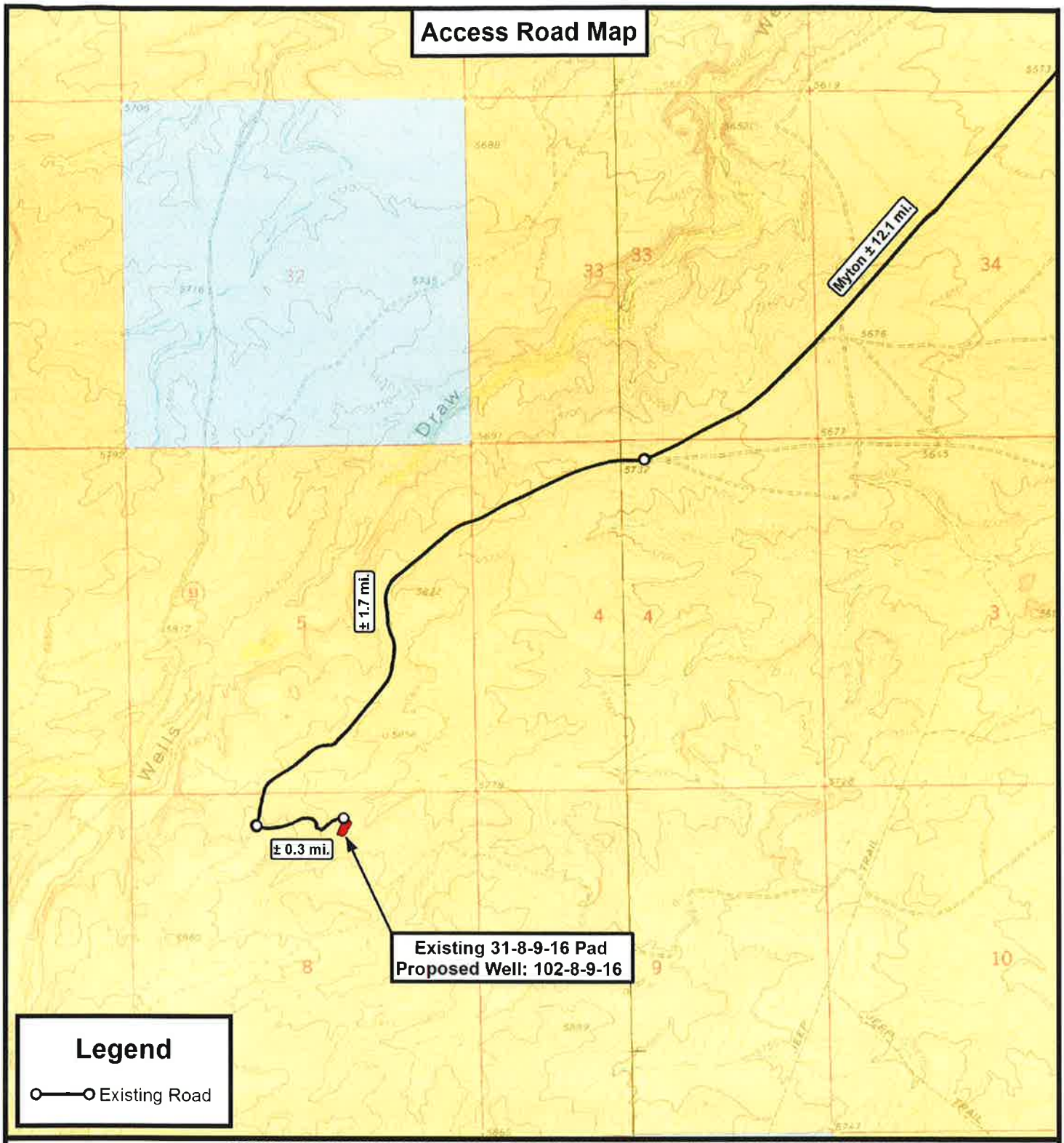
Existing 31-8-9-16 Pad
Proposed Well: 102-8-9-16
Sec. 8, T9S, R16E, S.L.B.&M.
Duchesne County, UT.

| | | | |
|---|---|---|---|
| DRAWN BY: | A.P.C. | REVISED: | VERSION: |
| DATE: | 09-10-2013 | | V1 |
| SCALE: | 1:100,000 | | |

**TOPOGRAPHIC MAP**

SHEET A

API Well Number: 43013526810000




THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.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N

**NEWFIELD EXPLORATION COMPANY**

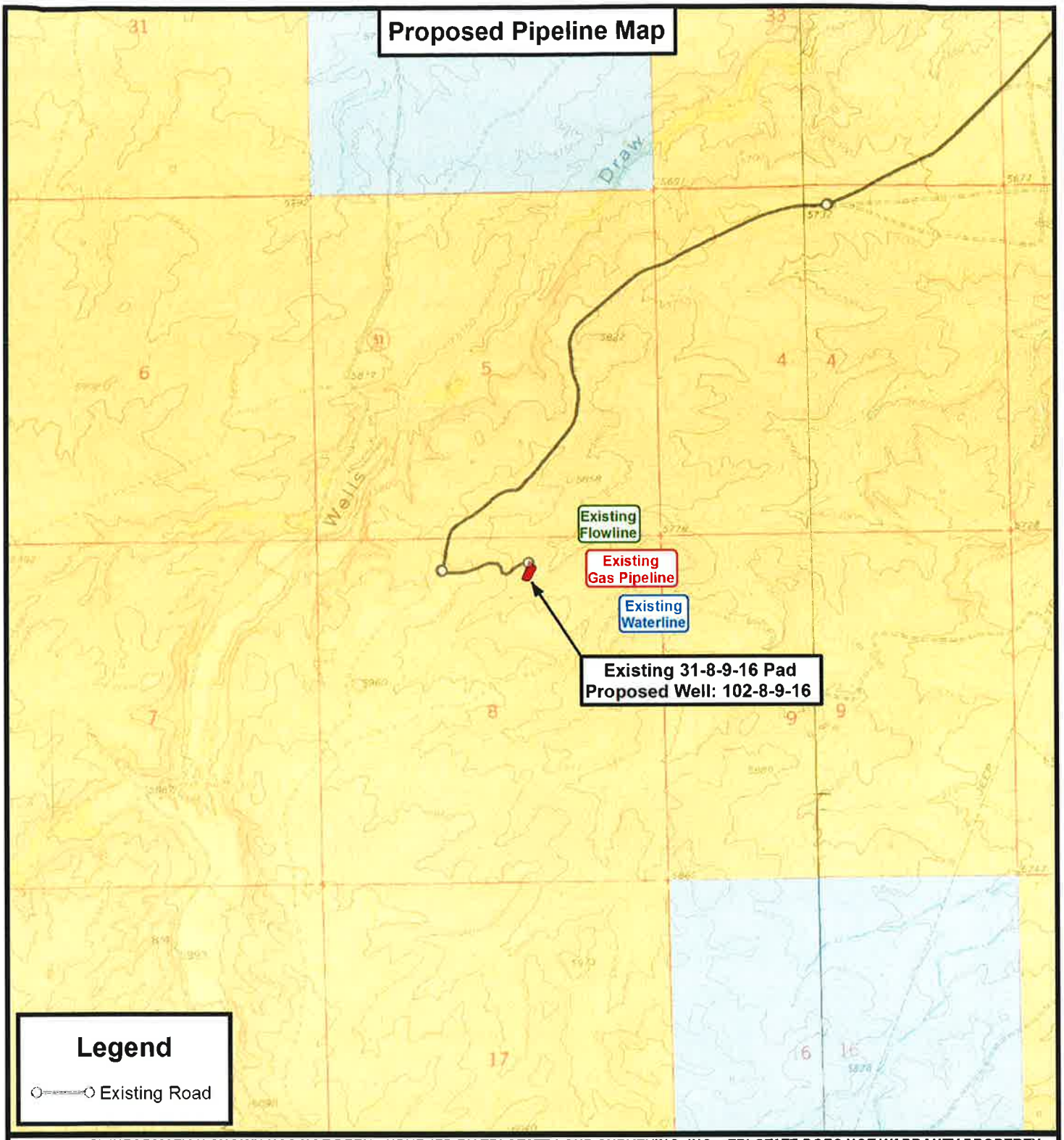
Existing 31-8-9-16 Pad
Proposed Well: 102-8-9-16
Sec. 8, T9S, R16E, S.L.B.&M.
Duchesne County, UT.

| | | | |
|---|---|---|---|
| DRAWN BY: | A.P.C. | REVISED: | VERSION: |
| DATE: | 09-10-2013 | | V1 |
| SCALE: | 1 " = 2,000 ' | | |

**TOPOGRAPHIC MAP**

SHEET B

API Well Number: 43013526810000

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N

**NEWFIELD EXPLORATION COMPANY**

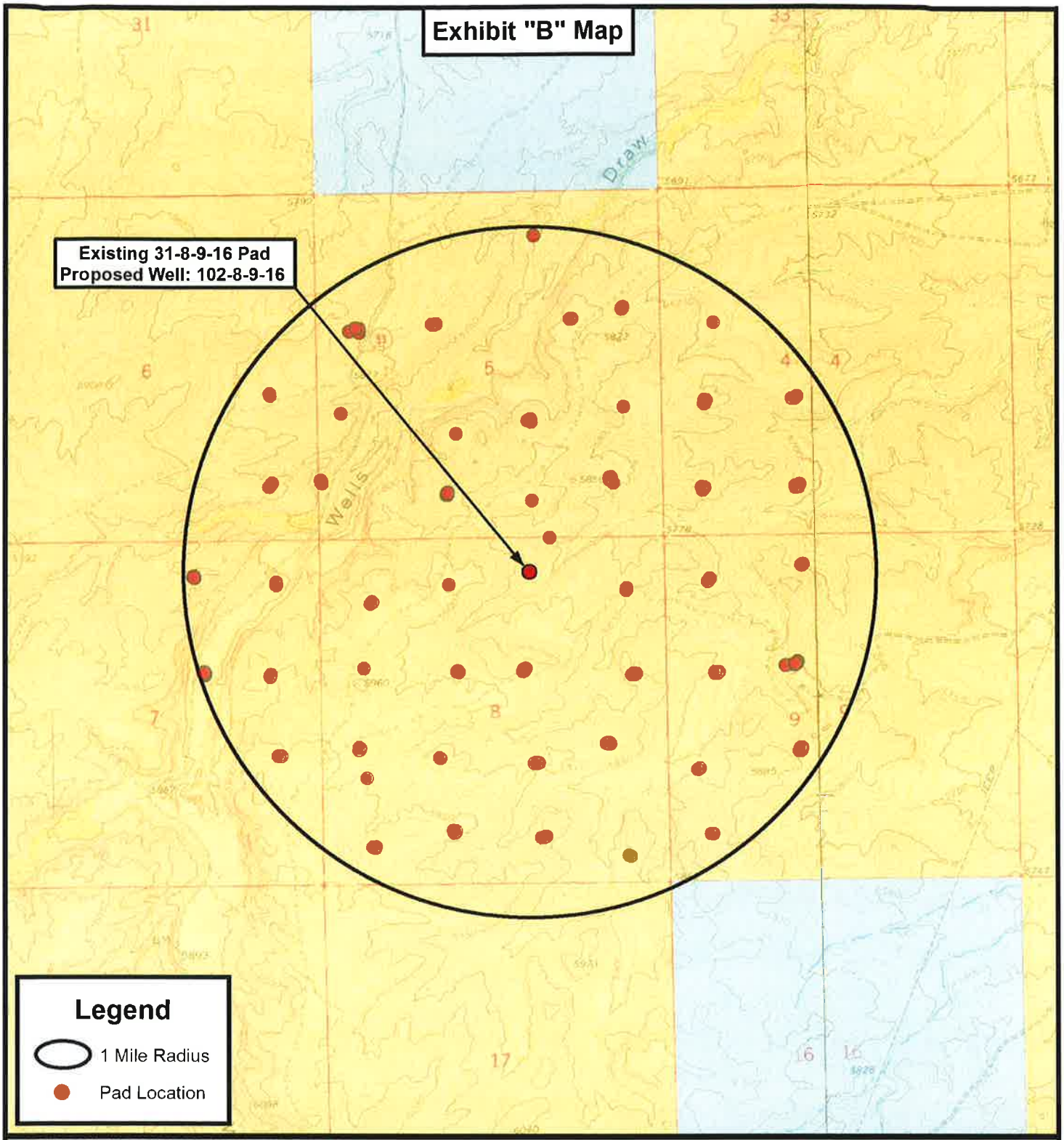
Existing 31-8-9-16 Pad
Proposed Well: 102-8-9-16
Sec. 8, T9S, R16E, S.L.B.&M.
Duchesne County, UT.

| | | | |
|---|---|---|---|
| DRAWN BY: | A.P.C. | REVISED: | VERSION: |
| DATE: | 09-10-2013 | | V1 |
| SCALE: | 1 " = 2,000 ' | | |

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013526810000

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N

**NEWFIELD EXPLORATION COMPANY**

Existing 31-8-9-16 Pad
Proposed Well: 102-8-9-16
Sec. 8, T9S, R16E, S.L.B.&M.
Duchesne County, UT.

| | | | |
|---|---|---|---|
| DRAWN BY: | A.P.C. | REVISED: | VERSION: |
| DATE: | 09-10-2013 | | V1 |
| SCALE: | 1 " = 2,000 ' | | |

**TOPOGRAPHIC MAP**

SHEET D

API Well Number: 43013526810000

# Coordinate Report

| Well Number | Feature Type | Latitude (NAD 83) (DMS) | Longitude (NAD 83) (DMS) |
|---|---|---|---|
| 31-8-9-16 | Surface Hole | 40° 03' 04.22" N | 110° 08' 28.44" W |
| B-8-9-16 | Surface Hole | 40° 03' 04.28" N | 110° 08' 28.14" W |
| 102-8-9-16 | Surface Hole | 40° 03' 04.15" N | 110° 08' 28.69" W |
| 102-8-9-16 | Center of Pattern | 40° 03' 09.33" N | 110° 08' 24.42" W |
| 102-8-9-16 | Bottom of Hole | 40° 03' 10.66" N | 110° 08' 23.32" W |

| Well Number | Feature Type | Latitude (NAD 83) (DD) | Longitude (NAD 83) (DD) |
|---|---|---|---|
| 31-8-9-16 | Surface Hole | 40.051172 | 110.141234 |
| B-8-9-16 | Surface Hole | 40.051188 | 110.141149 |
| 102-8-9-16 | Surface Hole | 40.051152 | 110.141304 |
| 102-8-9-16 | Center of Pattern | 40.052591 | 110.140117 |
| 102-8-9-16 | Bottom of Hole | 40.052962 | 110.139811 |

| Well Number | Feature Type | Northing (NAD 83) (UTM Meters) | Longitude (NAD 83) (UTM Meters) |
|---|---|---|---|
| 31-8-9-16 | Surface Hole | 4433790.127 | 573249.727 |
| B-8-9-16 | Surface Hole | 4433791.926 | 573256.963 |
| 102-8-9-16 | Surface Hole | 4433787.783 | 573243.787 |
| 102-8-9-16 | Center of Pattern | 4433948.445 | 573343.486 |
| 102-8-9-16 | Bottom of Hole | 4433989.875 | 573369.196 |

| Well Number | Feature Type | Latitude (NAD 27) (DMS) | Longitude (NAD 27) (DMS) |
|---|---|---|---|
| 31-8-9-16 | Surface Hole | 40° 03' 04.36" N | 110° 08' 25.90" W |
| B-8-9-16 | Surface Hole | 40° 03' 04.41" N | 110° 08' 25.59" W |
| 102-8-9-16 | Surface Hole | 40° 03' 04.28" N | 110° 08' 26.15" W |
| 102-8-9-16 | Center of Pattern | 40° 03' 09.46" N | 110° 08' 21.88" W |
| 102-8-9-16 | Bottom of Hole | 40° 03' 10.80" N | 110° 08' 20.77" W |

| Well Number | Feature Type | Latitude (NAD 27) (DD) | Longitude (NAD 27) (DD) |
|---|---|---|---|
| 31-8-9-16 | Surface Hole | 40.051210 | 110.140527 |
| B-8-9-16 | Surface Hole | 40.051226 | 110.140442 |
| 102-8-9-16 | Surface Hole | 40.051190 | 110.140597 |
| 102-8-9-16 | Center of Pattern | 40.052629 | 110.139410 |
| 102-8-9-16 | Bottom of Hole | 40.053000 | 110.139104 |

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F: (435) 781-2518

**NEWFIELD EXPLORATION COMPANY**

**Existing 31-8-9-16 Pad**
**Proposed Well: 102-8-9-16**
**Sec. 8, T9S, R16E, S.L.B.&M.**
**Duchesne County, UT.**

| | | | |
|---|---|---|---|
| DRAWN BY: | A.P.C. | REVISED: | |
| DATE: | 09-10-2013 | | |
| VERSION: | V1 | | |

COORDINATE REPORT

SHEET 1

API Well Number: 43013526810000

# Coordinate Report

| Well Number | Feature Type | Northing (NAD 27) (UTM Meters) | Longitude (NAD 27) (UTM Meters) |
|---|---|---|---|
| 31-8-9-16 | Surface Hole | 4433584.795 | 573311.938 |
| B-8-9-16 | Surface Hole | 4433586.594 | 573319.174 |
| 102-8-9-16 | Surface Hole | 4433582.452 | 573305.998 |
| 102-8-9-16 | Center of Pattern | 4433743.114 | 573405.697 |
| 102-8-9-16 | Bottom of Hole | 4433784.544 | 573431.406 |


Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518


**NEWFIELD EXPLORATION COMPANY**

**Existing 31-8-9-16 Pad**
**Proposed Well: 102-8-9-16**
**Sec. 8, T9S, R16E, S.L.B.&M.**
**Duchesne County, UT.**

| | | |
|---|---|---|
| DRAWN BY: | A.P.C. | REVISED: |
| DATE: | 09-10-2013 | |
| VERSION: | V1 | |

COORDINATE REPORT

SHEET 2

# NEWFIELD EXPLORATION

**USGS Myton SW (UT)**
**SECTION 8 T9S, R16E**
**102-8-9-16**

**Wellbore #1**

**Plan: Design #1**

# Standard Planning Report

**06 September, 2013**

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NEWFIELD

# Payzone Directional

## Planning Report

PAYZONE DIRECTIONAL

| | | | |
|---|---|---|---|
| **Database:** | EDM 2003.21 Single User Db | **Local Co-ordinate Reference:** | Well 102-8-9-16 |
| **Company:** | NEWFIELD EXPLORATION | **TVD Reference:** | 102-8-9-16 @ 5843.0ft (Original Well Elev) |
| **Project:** | USGS Myton SW (UT) | **MD Reference:** | 102-8-9-16 @ 5843.0ft (Original Well Elev) |
| **Site:** | SECTION 8 T9S, R16E | **North Reference:** | True |
| **Well:** | 102-8-9-16 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #1 | | |

**Project** USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane 1983 | **System Datum:** | Mean Sea Level |
| **Geo Datum:** | North American Datum 1983 | | |
| **Map Zone:** | Utah Central Zone | | |

**Site** SECTION 8 T9S, R16E, SEC 8 T9S, R16E

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 7,188,200.00 ft | **Latitude:** | 40° 2' 44.068 N |
| **From:** | Lat/Long | **Easting:** | 2,019,900.00 ft | **Longitude:** | 110° 8' 39.874 W |
| **Position Uncertainty:** | 0.0 ft | **Slot Radius:** | " | **Grid Convergence:** | 0.87 ° |

**Well** 102-8-9-16, SHL LAT: 40 03 04.15 LONG: -110 08 28.69

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 2,031.9 ft | **Northing:** | 7,190,244.90 ft | **Latitude:** | 40° 3' 4.150 N |
| | **+E/-W** | 869.7 ft | **Easting:** | 2,020,738.77 ft | **Longitude:** | 110° 8' 28.690 W |
| **Position Uncertainty** | | 0.0 ft | **Wellhead Elevation:** | 5,843.0 ft | **Ground Level:** | 5,833.0 ft |

**Wellbore** Wellbore #1

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|---|---|---|---|---|---|
| | IGRF2010 | 9/6/2013 | 11.06 | 65.73 | 52,040 |

**Design** Design #1

**Audit Notes:**

| | | | | | |
|---|---|---|---|---|---|
| **Version:** | | **Phase:** | PROTOTYPE | **Tie On Depth:** | 0.0 |

| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
|---|---|---|---|---|
| | 0.0 | 0.0 | 0.0 | 31.50 |

**Plan Sections**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,162.0 | 8.43 | 31.50 | 1,160.0 | 35.2 | 21.6 | 1.50 | 1.50 | 0.00 | 31.50 | |
| 5,114.7 | 8.43 | 31.50 | 5,070.0 | 529.2 | 324.4 | 0.00 | 0.00 | 0.00 | 0.00 | 102-8-9-16 TGT |
| 6,206.5 | 8.43 | 31.50 | 6,150.0 | 665.7 | 408.0 | 0.00 | 0.00 | 0.00 | 0.00 | |



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NEWFIELD

# Payzone Directional

## Planning Report

PAYZONE DIRECTIONAL

| | | | |
|---|---|---|---|
| **Database:** | EDM 2003.21 Single User Db | **Local Co-ordinate Reference:** | Well 102-8-9-16 |
| **Company:** | NEWFIELD EXPLORATION | **TVD Reference:** | 102-8-9-16 @ 5843.0ft (Original Well Elev) |
| **Project:** | USGS Myton SW (UT) | **MD Reference:** | 102-8-9-16 @ 5843.0ft (Original Well Elev) |
| **Site:** | SECTION 8 T9S, R16E | **North Reference:** | True |
| **Well:** | 102-8-9-16 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #1 | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 700.0 | 1.50 | 31.50 | 700.0 | 1.1 | 0.7 | 1.3 | 1.50 | 1.50 | 0.00 |
| 800.0 | 3.00 | 31.50 | 799.9 | 4.5 | 2.7 | 5.2 | 1.50 | 1.50 | 0.00 |
| 900.0 | 4.50 | 31.50 | 899.7 | 10.0 | 6.2 | 11.8 | 1.50 | 1.50 | 0.00 |
| 1,000.0 | 6.00 | 31.50 | 999.3 | 17.8 | 10.9 | 20.9 | 1.50 | 1.50 | 0.00 |
| 1,100.0 | 7.50 | 31.50 | 1,098.6 | 27.9 | 17.1 | 32.7 | 1.50 | 1.50 | 0.00 |
| 1,162.0 | 8.43 | 31.50 | 1,160.0 | 35.2 | 21.6 | 41.3 | 1.50 | 1.50 | 0.00 |
| 1,200.0 | 8.43 | 31.50 | 1,197.6 | 39.9 | 24.5 | 46.8 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 8.43 | 31.50 | 1,296.5 | 52.4 | 32.1 | 61.5 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 8.43 | 31.50 | 1,395.4 | 64.9 | 39.8 | 76.2 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 8.43 | 31.50 | 1,494.3 | 77.4 | 47.5 | 90.8 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 8.43 | 31.50 | 1,593.2 | 89.9 | 55.1 | 105.5 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 8.43 | 31.50 | 1,692.2 | 102.4 | 62.8 | 120.1 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 8.43 | 31.50 | 1,791.1 | 114.9 | 70.4 | 134.8 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 8.43 | 31.50 | 1,890.0 | 127.4 | 78.1 | 149.5 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 8.43 | 31.50 | 1,988.9 | 139.9 | 85.8 | 164.1 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 8.43 | 31.50 | 2,087.8 | 152.4 | 93.4 | 178.8 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 8.43 | 31.50 | 2,186.8 | 164.9 | 101.1 | 193.4 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 8.43 | 31.50 | 2,285.7 | 177.4 | 108.7 | 208.1 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 8.43 | 31.50 | 2,384.6 | 189.9 | 116.4 | 222.8 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 8.43 | 31.50 | 2,483.5 | 202.4 | 124.1 | 237.4 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 8.43 | 31.50 | 2,582.4 | 214.9 | 131.7 | 252.1 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 8.43 | 31.50 | 2,681.4 | 227.4 | 139.4 | 266.7 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 8.43 | 31.50 | 2,780.3 | 239.9 | 147.0 | 281.4 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 8.43 | 31.50 | 2,879.2 | 252.4 | 154.7 | 296.1 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 8.43 | 31.50 | 2,978.1 | 264.9 | 162.4 | 310.7 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 8.43 | 31.50 | 3,077.0 | 277.4 | 170.0 | 325.4 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 8.43 | 31.50 | 3,176.0 | 289.9 | 177.7 | 340.0 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 8.43 | 31.50 | 3,274.9 | 302.4 | 185.3 | 354.7 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 8.43 | 31.50 | 3,373.8 | 314.9 | 193.0 | 369.3 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 8.43 | 31.50 | 3,472.7 | 327.4 | 200.7 | 384.0 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 8.43 | 31.50 | 3,571.6 | 339.9 | 208.3 | 398.7 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 8.43 | 31.50 | 3,670.6 | 352.4 | 216.0 | 413.3 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 8.43 | 31.50 | 3,769.5 | 364.9 | 223.6 | 428.0 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 8.43 | 31.50 | 3,868.4 | 377.4 | 231.3 | 442.6 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 8.43 | 31.50 | 3,967.3 | 389.9 | 239.0 | 457.3 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 8.43 | 31.50 | 4,066.2 | 402.4 | 246.6 | 472.0 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 8.43 | 31.50 | 4,165.2 | 414.9 | 254.3 | 486.6 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 8.43 | 31.50 | 4,264.1 | 427.4 | 262.0 | 501.3 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 8.43 | 31.50 | 4,363.0 | 439.9 | 269.6 | 515.9 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 8.43 | 31.50 | 4,461.9 | 452.4 | 277.3 | 530.6 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 8.43 | 31.50 | 4,560.8 | 464.9 | 284.9 | 545.3 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 8.43 | 31.50 | 4,659.8 | 477.4 | 292.6 | 559.9 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 8.43 | 31.50 | 4,758.7 | 489.9 | 300.3 | 574.6 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 8.43 | 31.50 | 4,857.6 | 502.4 | 307.9 | 589.2 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 8.43 | 31.50 | 4,956.5 | 514.9 | 315.6 | 603.9 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 8.43 | 31.50 | 5,055.4 | 527.4 | 323.2 | 618.6 | 0.00 | 0.00 | 0.00 |
| 5,114.7 | 8.43 | 31.50 | 5,070.0 | 529.2 | 324.4 | 620.7 | 0.00 | 0.00 | 0.00 |



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NEWFIELD

# Payzone Directional

## Planning Report

PAYZONE DIRECTIONAL

| | | | |
|---|---|---|---|
| **Database:** | EDM 2003.21 Single User Db | **Local Co-ordinate Reference:** | Well 102-8-9-16 |
| **Company:** | NEWFIELD EXPLORATION | **TVD Reference:** | 102-8-9-16 @ 5843.0ft (Original Well Elev) |
| **Project:** | USGS Myton SW (UT) | **MD Reference:** | 102-8-9-16 @ 5843.0ft (Original Well Elev) |
| **Site:** | SECTION 8 T9S, R16E | **North Reference:** | True |
| **Well:** | 102-8-9-16 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #1 | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| 5,200.0 | 8.43 | 31.50 | 5,154.4 | 539.9 | 330.9 | 633.2 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 8.43 | 31.50 | 5,253.3 | 552.4 | 338.6 | 647.9 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 8.43 | 31.50 | 5,352.2 | 564.9 | 346.2 | 662.5 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 8.43 | 31.50 | 5,451.1 | 577.4 | 353.9 | 677.2 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 8.43 | 31.50 | 5,550.0 | 589.9 | 361.5 | 691.9 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 8.43 | 31.50 | 5,648.9 | 602.4 | 369.2 | 706.5 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 8.43 | 31.50 | 5,747.9 | 614.9 | 376.9 | 721.2 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 8.43 | 31.50 | 5,846.8 | 627.4 | 384.5 | 735.8 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 8.43 | 31.50 | 5,945.7 | 639.9 | 392.2 | 750.5 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 8.43 | 31.50 | 6,044.6 | 652.4 | 399.8 | 765.2 | 0.00 | 0.00 | 0.00 |
| 6,206.5 | 8.43 | 31.50 | 6,150.0 | 665.7 | 408.0 | 780.8 | 0.00 | 0.00 | 0.00 |



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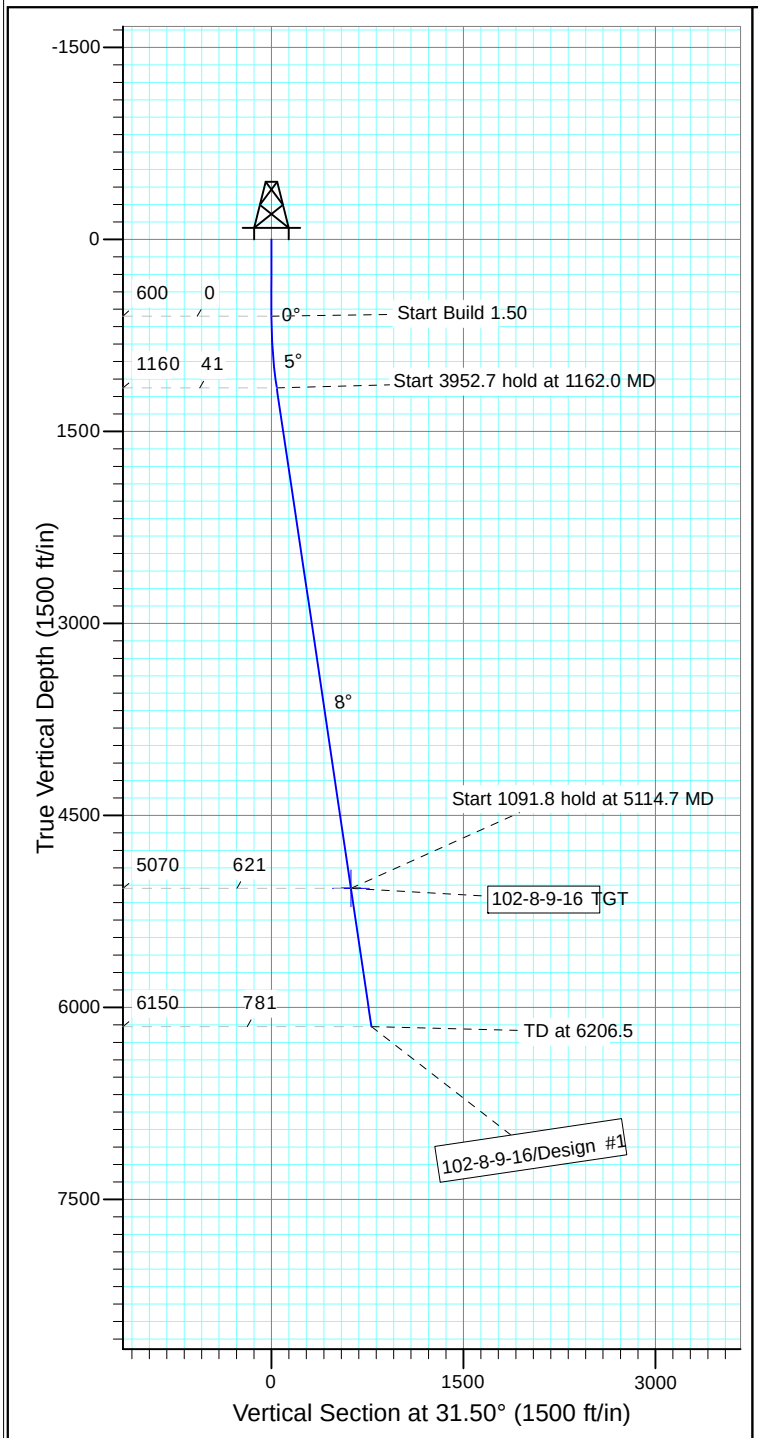
API Well Number: 43013526810000

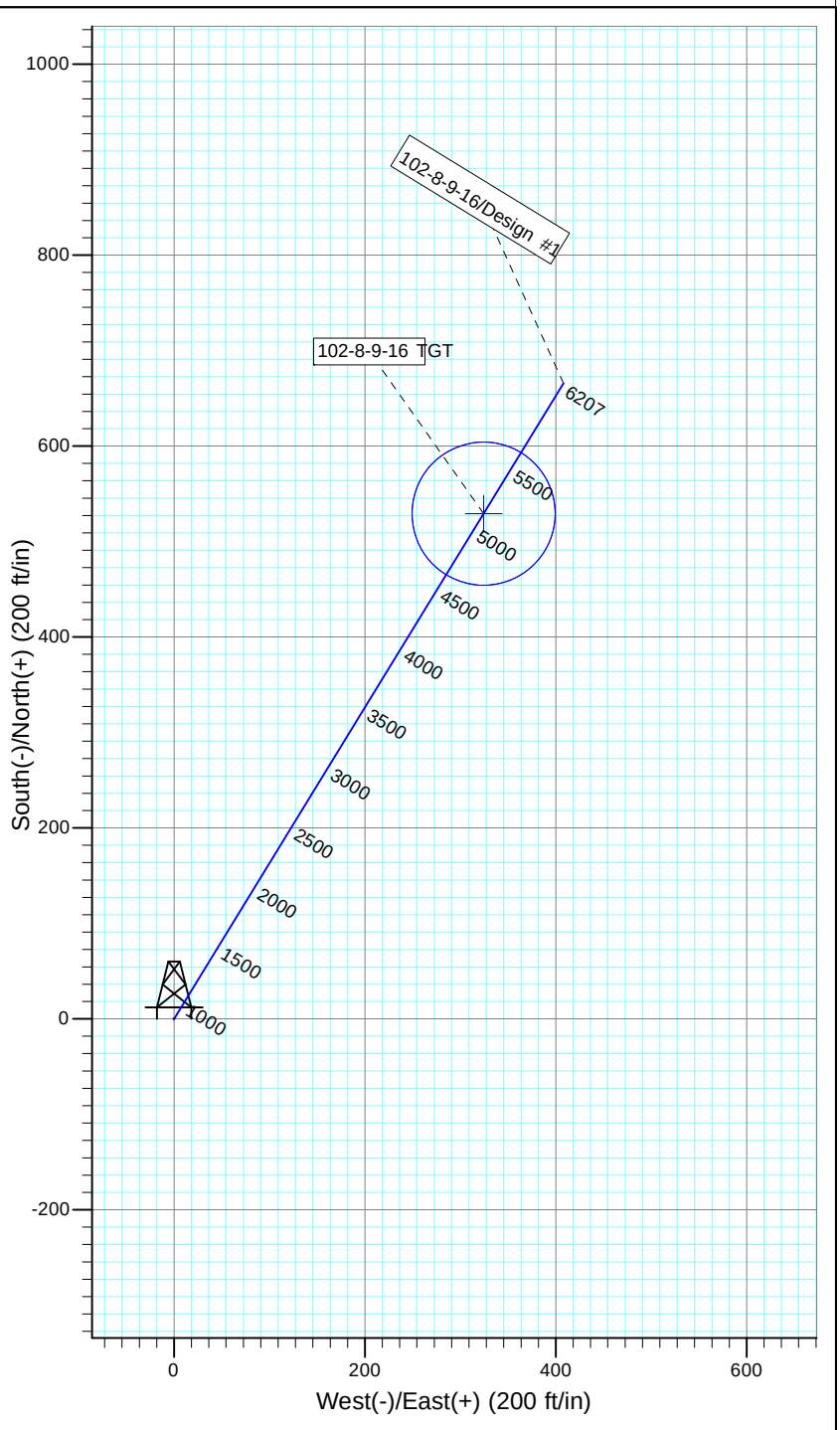
NEWFIELD

Project: USGS Myton SW (UT)
Site: SECTION 8 T9S, R16E
Well: 102-8-9-16
Wellbore: Wellbore #1
Design: Design #1

Azimuths to True North
Magnetic North: 11.06°

Magnetic Field
Strength: 52040.2snT
Dip Angle: 65.73°
Date: 9/6/2013
Model: IGRF2010




WELLBORE TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Shape |
|---|---|---|---|---|
| 102-8-9-16 TGT | 5070.0 | 529.2 | 324.4 | Circle (Radius: 75.0) |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1162.0 | 8.43 | 31.50 | 1160.0 | 35.2 | 21.6 | 1.50 | 31.50 | 41.3 | |
| 4 | 5114.7 | 8.43 | 31.50 | 5070.0 | 529.2 | 324.4 | 0.00 | 0.00 | 620.7 | 102-8-9-16 TGT |
| 5 | 6206.5 | 8.43 | 31.50 | 6150.0 | 665.7 | 408.0 | 0.00 | 0.00 | 780.8 | |

PATZONE

**NEWFIELD PRODUCTION COMPANY**
**GMBU 102-8-9-16**
**AT SURFACE: NW/NE SECTION 8, T9S R16E**
**DUCHESNE COUNTY, UTAH**

# ONSHORE ORDER NO. 1

## *MULTI-POINT SURFACE USE & OPERATIONS PLAN*

### *1. EXISTING ROADS*

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU 102-8-9-16 located in the NW 1/4 NE 1/4 Section 8, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 6.2 miles ± to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 6.2 miles ± to it's junction with an existing road to the east; proceed easterly – 0.3 miles ± to it's junction with the beginning of the access road to the existing 31-8-9-16 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

### *2. PLANNED ACCESS ROAD*

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 31-8-9-16 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

### *3. LOCATION OF EXISTING WELLS*

Refer to Exhibit "B".

### *4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES*

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

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Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

***5. LOCATION AND TYPE OF WATER SUPPLY***

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-7478

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

***6. SOURCE OF CONSTRUCTION MATERIALS***

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

***7. METHODS FOR HANDLING WASTE DISPOSAL***

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

***8. ANCILLARY FACILITIES***

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There are no ancillary facilities planned for at the present time and none foreseen in the near future.

***9.*** ***WELL SITE LAYOUT***

See attached Location Layout Sheet.

**Fencing Requirements**

a) All pits will be fenced or have panels installed consistent with the following minimum standards:

1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times

3. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE**:

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

***11.*** ***SURFACE OWNERSHIP*** – Bureau of Land Management.

***12.*** ***OTHER ADDITIONAL INFORMATION***

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit # U-13-MQ-0886b, 10/22/13, prepared by Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade Miller, 10/03/13. See attached report cover pages.

RECEIVED: November 14, 2013

**Water Disposal**
After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

**Additional Surface Stipulations**
All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

**Hazardous Material Declaration**
Newfield Production Company guarantees that during the drilling and completion of the GMBU 102-8-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU 102-8-9-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative
Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #102-8-9-16, Section 8, Township 9S, Range 16E: Lease UTU-020255 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

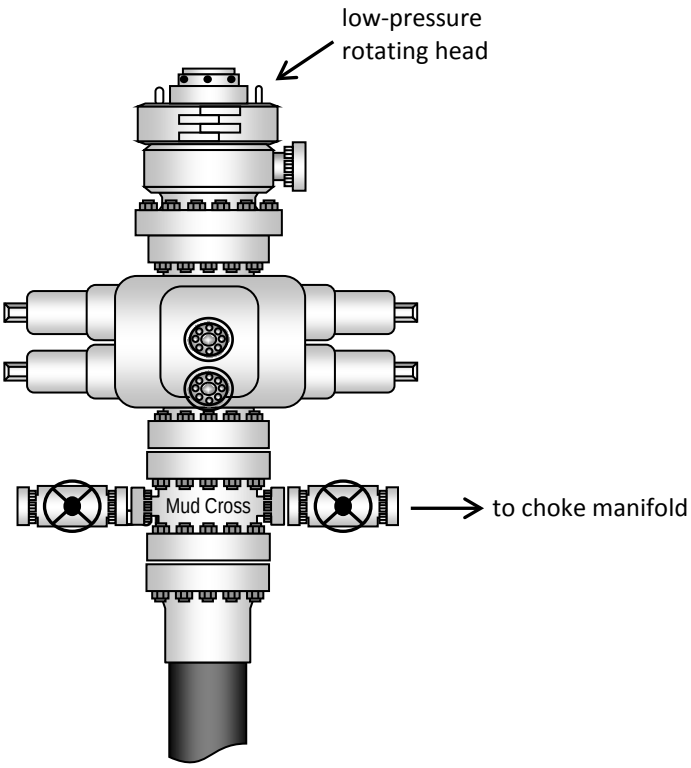
Mandie Crozier
Digitally signed by Mandie Crozier
DN: cn=Mandie Crozier, o=Newfield Production, ou=Regulatory Analyst, email=mcrozier@newfield.com, c=US
Date: 2013.11.13 15:34:38 -07'00'

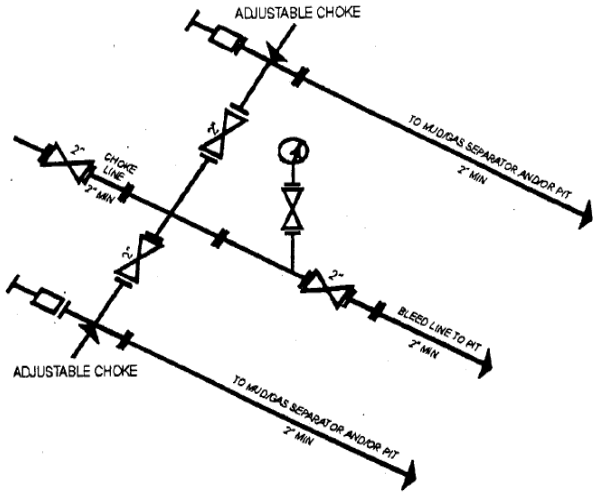
11/8/13
Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

RECEIVED: November 14, 2013

**Typical 2M BOP stack configuration**




2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

RECEIVED: November 14, 2013

API Well Number: 43013526810000

# NEWFIELD EXPLORATION COMPANY

## WELL PAD INTERFERENCE PLAT

## EXISTING 31-8-9-16 PAD

## PROPOSED WELL: 102-8-9-16

Pad Location: NWNE Section 8, T9S, R16E, S.L.B.&M.

**LATITUDE & LONGITUDE**
**Surface position of Wells (NAD 83)**

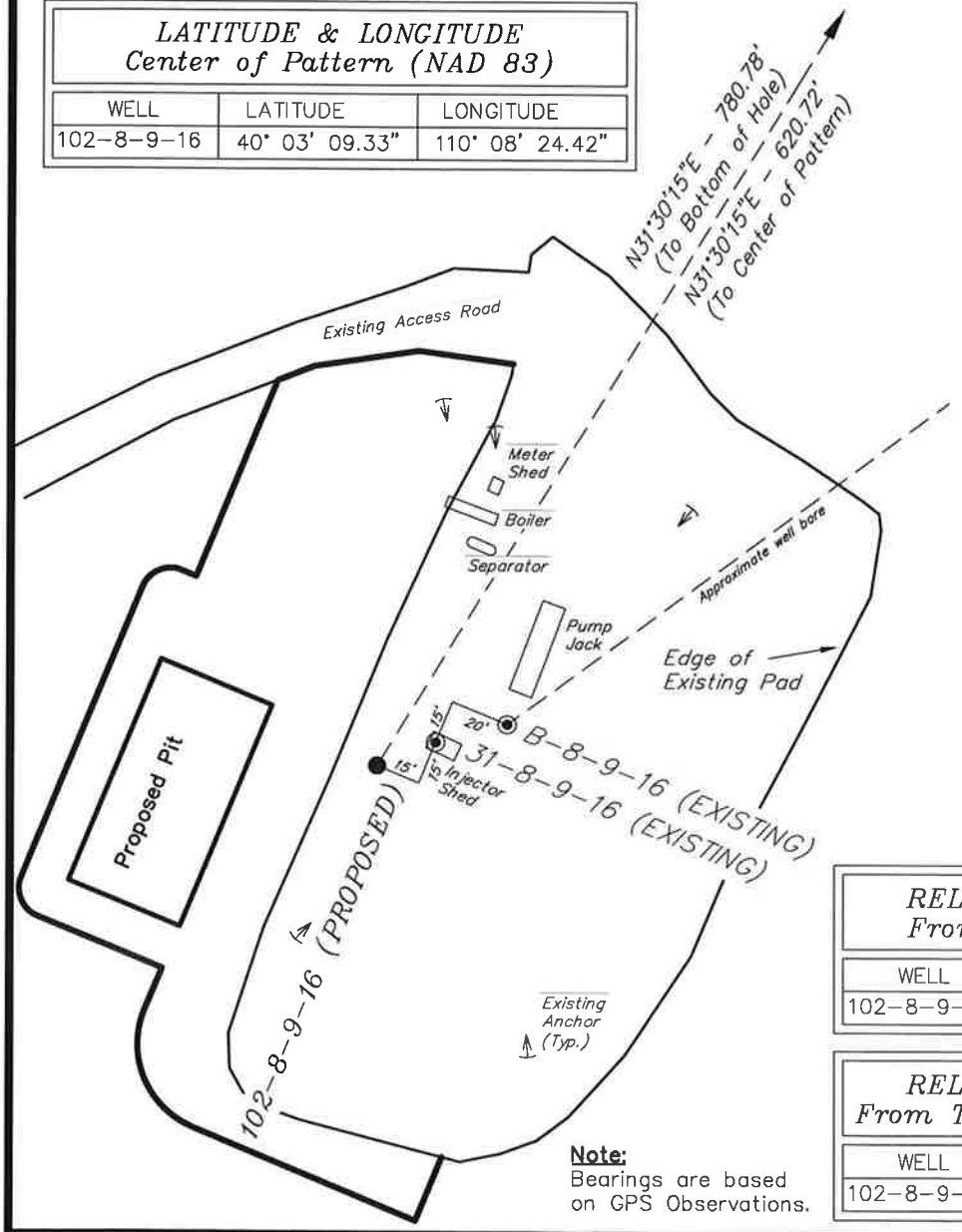
| WELL | LATITUDE | LONGITUDE |
|---|---|---|
| 31-8-9-16 | 40° 03' 04.22" | 110° 08' 28.44" |
| B-8-9-16 | 40° 03' 04.28" | 110° 08' 28.14" |
| 102-8-9-16 | 40° 03' 04.15" | 110° 08' 28.69" |

**LATITUDE & LONGITUDE**
**Bottom Hole Position (NAD 83)**

| WELL | LATITUDE | LONGITUDE |
|---|---|---|
| 102-8-9-16 | 40° 03' 10.66" | 110° 08' 23.32" |

**LATITUDE & LONGITUDE**
**Center of Pattern (NAD 83)**

| WELL | LATITUDE | LONGITUDE |
|---|---|---|
| 102-8-9-16 | 40° 03' 09.33" | 110° 08' 24.42" |




**TOP HOLE FOOTAGES**
102-8-9-16
541' FNL & 2107' FEL

**CENTER OF PATTERN FOOTAGES**
102-8-9-16
17' FNL & 1773' FEL

**BOTTOM HOLE FOOTAGES**
102-8-9-16
119' FSL & 1687' FEL

**RELATIVE COORDINATES**
**From Top Hole to C.O.P.**

| WELL | NORTH | EAST |
|---|---|---|
| 102-8-9-16 | 529' | 324' |

**RELATIVE COORDINATES**
**From Top Hole to Bottom Hole**

| WELL | NORTH | EAST |
|---|---|---|
| 102-8-9-16 | 666' | 408' |

**Note:**
Bearings are based on GPS Observations.

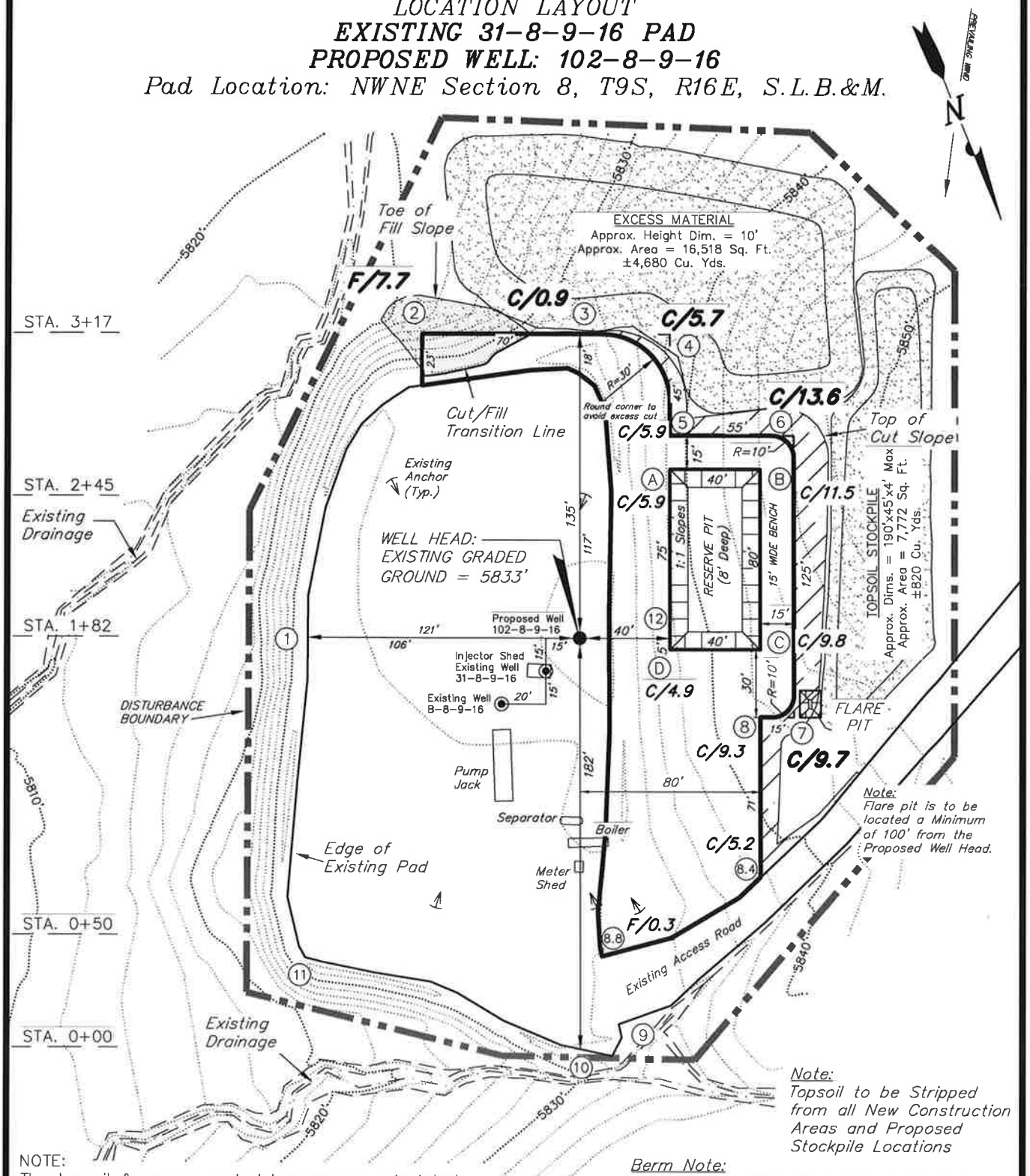
| | | | |
|---|---|---|---|
| SURVEYED BY: Q.M. | DATE SURVEYED: 07-31-13 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: F.T.M. | DATE DRAWN: 08-13-13 | V1 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: 1" = 60' | REVISED: | | |

API Well Number: 43013526810000

# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT
## EXISTING 31-8-9-16 PAD
## PROPOSED WELL: 102-8-9-16

*Pad Location: NWNE Section 8, T9S, R16E, S.L.B.&M.*




Note:
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

Note:
Topsoil to be Stripped from all New Construction Areas and Proposed Stockpile Locations

NOTE:
The topsoil & excess material areas are calculated as being mounds containing 5,500 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

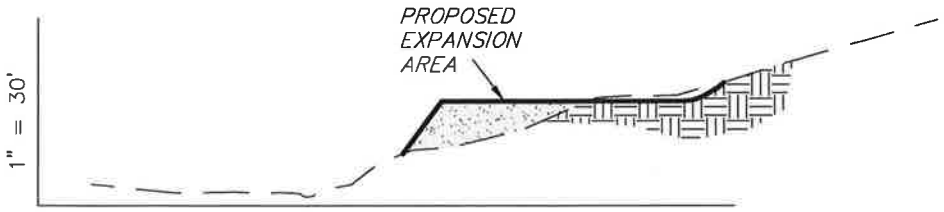
Berm Note:
Construct 2' High Berm around Perimeter of Pad, Except when Cut Exceeds 2'. Blend new Constructed Berm into Existing Pad Berm where Required.

| | | | |
|---|---|---|---|
| SURVEYED BY: Q.M. | DATE SURVEYED: 07-31-13 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: F.T.M. | DATE DRAWN: 08-27-13 | V1 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: 1" = 60' | REVISED: | | |

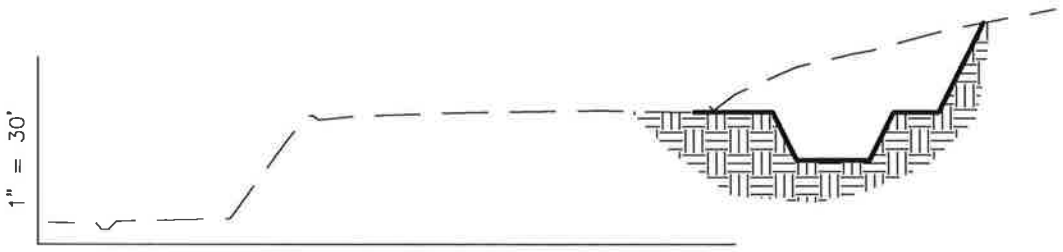
# NEWFIELD EXPLORATION COMPANY

## CROSS SECTIONS
## EXISTING 31-8-9-16 PAD
## PROPOSED WELL: 102-8-9-16

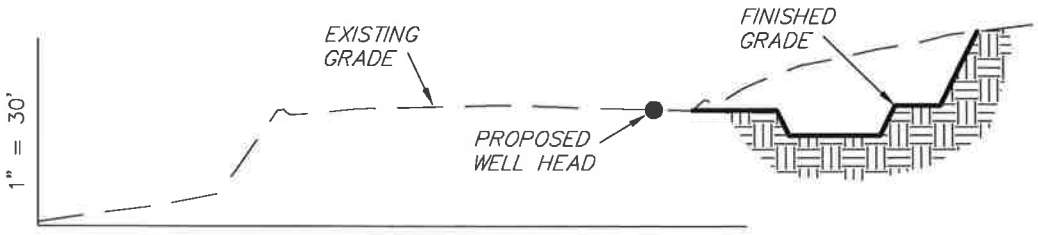
*Pad Location: NWNE Section 8, T9S, R16E, S.L.B.&M.*



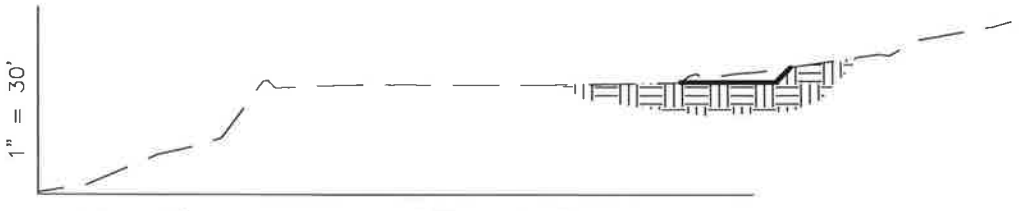

STA. 3+17




STA. 2+45




STA. 1+82




STA. 0+50

**ESTIMATED EARTHWORK QUANTITIES**
**(No Shrink or swell adjustments have been used)**
(Expressed in Cubic Yards)

| ITEM | CUT | FILL | 6" TOPSOIL | EXCESS |
|---|---|---|---|---|
| PAD | 3,730 | 170 | Topsoil is not included in Pad Cut | 3,560 |
| PIT | 690 | 0 | | 690 |
| TOTALS | 4,420 | 170 | 740 | 4,250 |

NOTE:
UNLESS OTHERWISE NOTED ALL
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

| | | | |
|---|---|---|---|
| SURVEYED BY: Q.M. | DATE SURVEYED: 07-31-13 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: F.T.M. | DATE DRAWN: 08-27-13 | V1 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: 1" = 60' | REVISED: | | |

API Well Number: 43013526810000

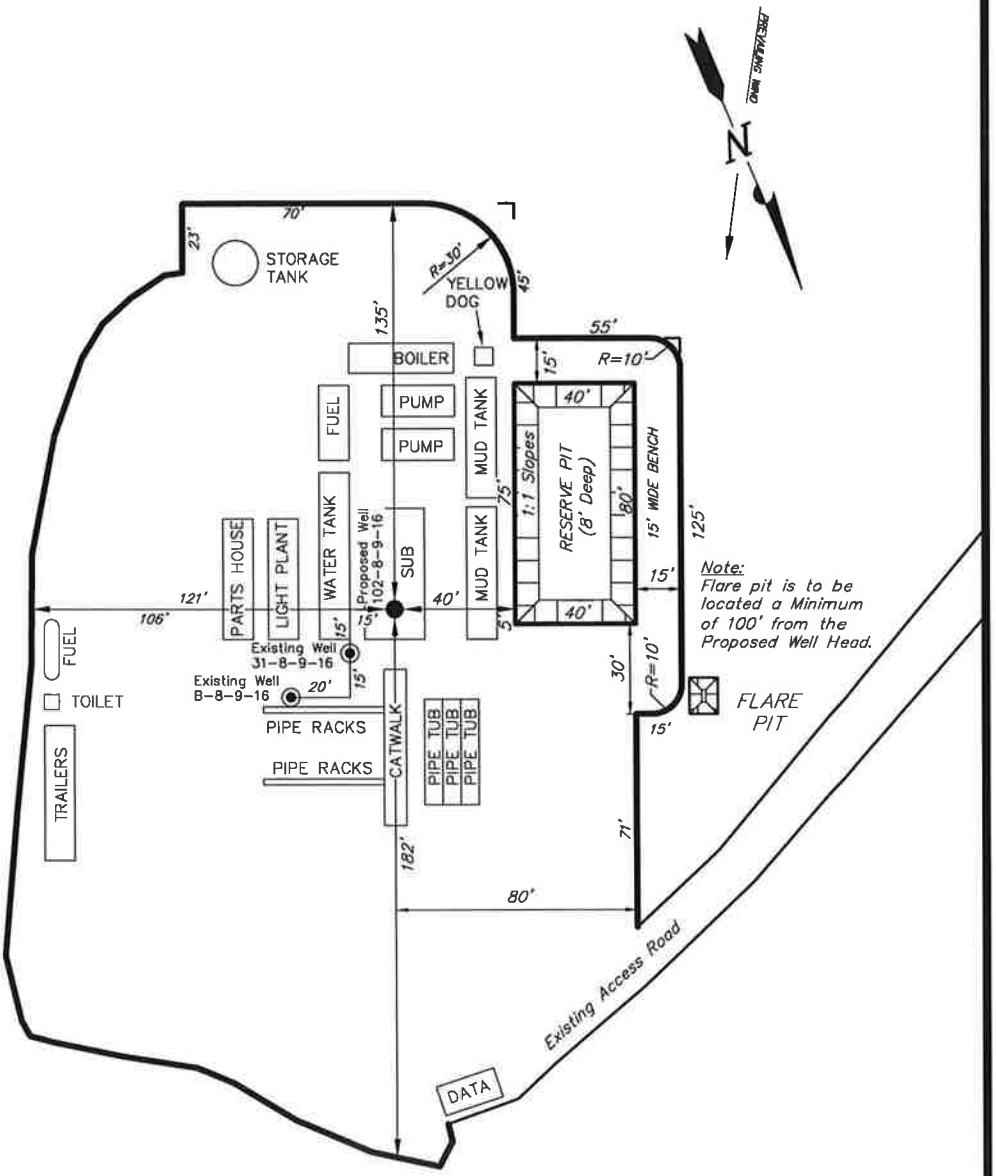
# NEWFIELD EXPLORATION COMPANY

## TYPICAL RIG LAYOUT

## EXISTING 31-8-9-16 PAD

## PROPOSED WELL: 102-8-9-16

Pad Location: NWNE Section 8, T9S, R16E, S.L.B.&M.




| | | | |
|---|---|---|---|
| SURVEYED BY: Q.M. | DATE SURVEYED: 07-31-13 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: F.T.M. | DATE DRAWN: 08-27-13 | V1 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: 1" = 60' | REVISED: | | |

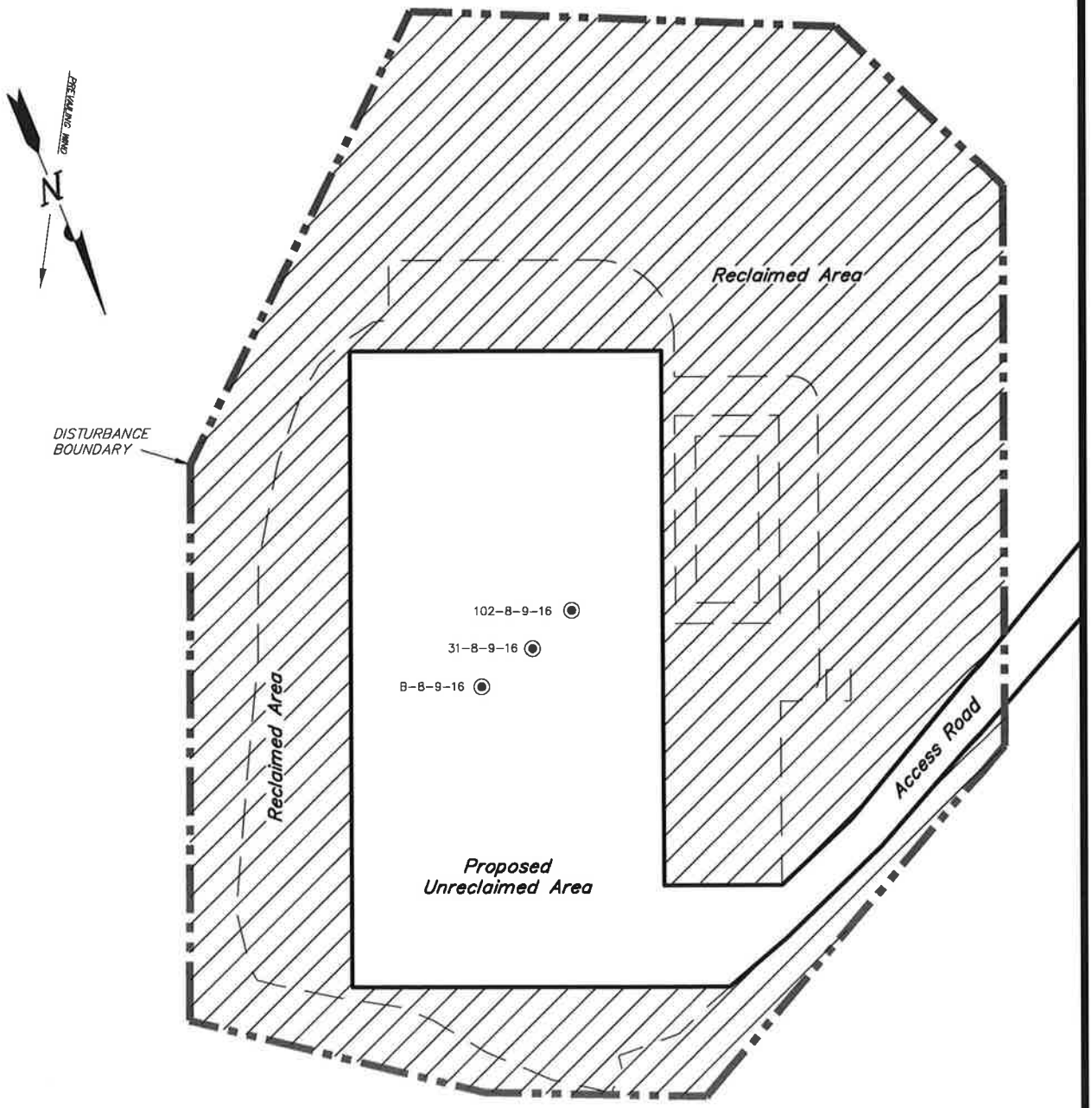
# NEWFIELD EXPLORATION COMPANY

## RECLAMATION LAYOUT

## EXISTING 31-8-9-16 PAD

## PROPOSED WELL: 102-8-9-16

*Pad Location: NWNE Section 8, T9S, R16E, S.L.B.&M.*




Notes:
1. Reclaimed Area to Include Seeding of Approved Vegetation and Sufficient Storm Water Management System.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

**DISTURBED AREA:**

TOTAL DISTURBED AREA = ±2.54 ACRES
TOTAL RECLAIMED AREA = ±1.78 ACRES
UNRECLAIMED AREA = ±0.76 ACRES

| | | | |
|---|---|---|---|
| SURVEYED BY: Q.M. | DATE SURVEYED: 07-31-13 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: F.T.M. | DATE DRAWN: 08-27-13 | V1 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: 1" = 60' | REVISED: | | |

# NEWFIELD EXPLORATION COMPANY

## PROPOSED SITE FACILITY DIAGRAM

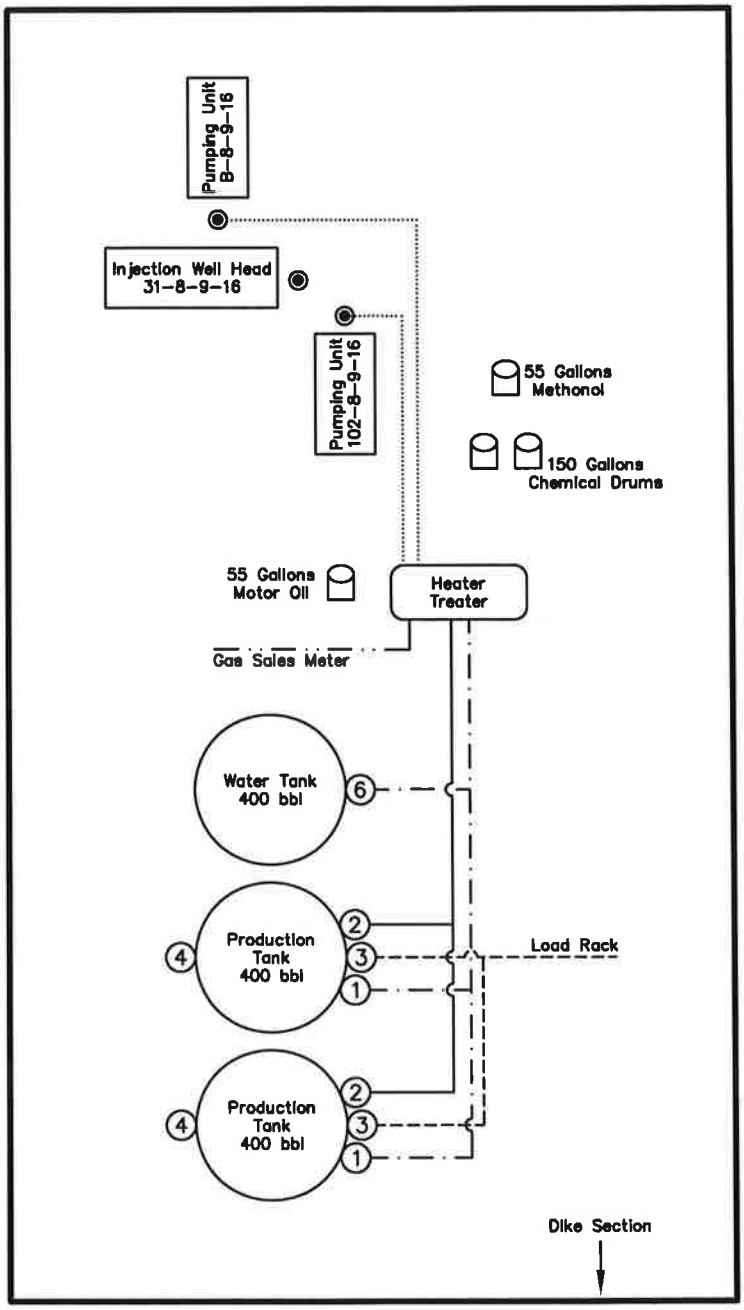
**31-8-9-16 PAD**

**B-8-9-16 UTU-020255**

**102-8-9-16 UTU-020255**

*Pad Location: NWNE Section 8, T9S, R16E, S.L.B.&M.*

*Duchesne County, Utah*




**Legend**

| | |
|---|---|
| Emulsion Line | ..... |
| Load Rack | ---------- |
| Water Line | — · — · — |
| Gas Sales | — · · — · · — |
| Oil Line | ———— |

NOT TO SCALE

| | | | | | |
|---|---|---|---|---|---|
| SURVEYED BY: | Q.M. | DATE SURVEYED: | 07-31-13 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: | F.T.M. | DATE DRAWN: | 08-27-13 | V1 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: | NONE | REVISED: | | | |

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

**Utah State Office**
**440 West 200 South, Suite 500**
**Salt Lake City, UT 84101**

**IN REPLY REFER TO:**
**3160**
**(UT-922)**

November 18, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

| API # | WELL NAME | LOCATION |
|---|---|---|
| Proposed PZ GREEN RIVER) | | |
| 43-013-52642 | GMBU 103-5-9-16 | Sec 05 T09S R16E 0681 FNL 2052 FWL<br>BHL Sec 32 T08S R16E 0116 FSL 1972 FWL |
| 43-013-52654 | GMBU 10-9-9-16 | Sec 09 T09S R16E 1755 FSL 1989 FEL<br>BHL Sec 09 T09S R16E 1755 FSL 1989 FEL |
| 43-013-52660 | GMBU P-22-8-17 | Sec 21 T08S R17E 1759 FSL 0477 FEL<br>BHL Sec 22 T08S R17E 1028 FSL 0073 FWL |
| 43-013-52661 | GMBU N-21-8-17 | Sec 21 T08S R17E 2182 FNL 2178 FWL<br>BHL Sec 21 T08S R17E 2463 FSL 1122 FWL |
| 43-013-52662 | GMBU M-21-8-17 | Sec 21 T08S R17E 2201 FNL 2187 FWL<br>BHL Sec 21 T08S R17E 2437 FSL 2442 FEL |
| 43-013-52668 | GMBU 125-7-9-16 | Sec 07 T09S R16E 1979 FSL 0620 FEL<br>BHL Sec 07 T09S R16E 1023 FSL 0714 FEL |
| 43-013-52670 | GMBU 108-18-9-16 | Sec 17 T09S R16E 0565 FNL 0661 FWL<br>BHL Sec 18 T09S R16E 0481 FNL 0020 FEL |
| 43-013-52671 | GMBU 126-8-9-17 | Sec 08 T09S R17E 0621 FSL 1989 FEL<br>BHL Sec 08 T09S R17E 1307 FSL 1958 FEL |
| 43-013-52672 | GMBU 112-8-9-16 | Sec 08 T09S R16E 1002 FNL 0778 FWL<br>BHL Sec 08 T09S R16E 1647 FNL 0714 FWL |
| 43-013-52673 | GMBU 119-4-9-16 | Sec 04 T09S R16E 2011 FNL 1953 FWL<br>BHL Sec 04 T09S R16E 2444 FSL 1934 FWL |

RECEIVED: November 19, 2013

| API # | WELL NAME | LOCATION |
|---|---|---|
| Proposed PZ GREEN RIVER) | | |
| 43-013-52674 | GMBU 123-8-9-17 | Sec 08 T09S R17E 1916 FSL 0716 FEL |
| | | BHL Sec 08 T09S R17E 1906 FSL 1421 FEL |
| 43-013-52675 | GMBU 126-5-9-16 | Sec 05 T09S R16E 1754 FSL 2024 FEL |
| | | BHL Sec 05 T09S R16E 1048 FSL 2035 FEL |
| 43-013-52676 | GMBU 118-8-9-17 | Sec 08 T09S R17E 1973 FNL 1960 FEL |
| | | BHL Sec 08 T09S R17E 2560 FSL 1978 FEL |
| 43-013-52677 | GMBU 118-5-9-16 | Sec 05 T09S R16E 1775 FSL 2024 FEL |
| | | BHL Sec 05 T09S R16E 2601 FNL 1786 FEL |
| 43-013-52678 | GMBU 101-8-9-17 | Sec 05 T09S R17E 0550 FSL 0697 FEL |
| | | BHL Sec 08 T09S R17E 0338 FNL 0715 FEL |
| 43-013-52679 | GMBU 132-5-9-17 | Sec 05 T09S R17E 0545 FSL 0676 FEL |
| | | BHL Sec 04 T09S R17E 0596 FSL 0073 FWL |
| 43-013-52680 | GMBU 110-10-9-16 | Sec 10 T09S R16E 0677 FNL 2005 FEL |
| | | BHL Sec 10 T09S R16E 1439 FNL 1966 FEL |
| 43-013-52681 | GMBU 102-8-9-16 | Sec 08 T09S R16E 0541 FNL 2107 FEL |
| | | BHL Sec 05 T09S R16E 0119 FSL 1687 FEL |
| 43-013-52686 | GMBU Q-26-8-16 | Sec 26 T08S R16E 0653 FSL 0685 FWL |
| | | BHL Sec 26 T08S R16E 1320 FSL 1320 FWL |
| 43-047-54188 | GMBU D-1-9-17 | Sec 36 T08S R17E 0632 FSL 1967 FWL |
| | | BHL Sec 01 T09S R17E 0331 FNL 1182 FWL |
| 43-047-54189 | GMBU Q-31-8-18 | Sec 31 T08S R18E 2198 FSL 0508 FWL |
| | | BHL Sec 31 T08S R18E 1118 FSL 1483 FWL |
| 43-047-54191 | GMBU E-1-9-17 | Sec 35 T08S R17E 0710 FSL 0663 FEL |
| | | BHL Sec 01 T09S R17E 0267 FNL 0251 FWL |
| 43-047-54202 | GMBU C-1-9-17 | Sec 36 T08S R17E 0647 FSL 1983 FWL |
| | | BHL Sec 01 T09S R17E 0216 FNL 2504 FEL |

This office has no objection to permitting the wells at this time.

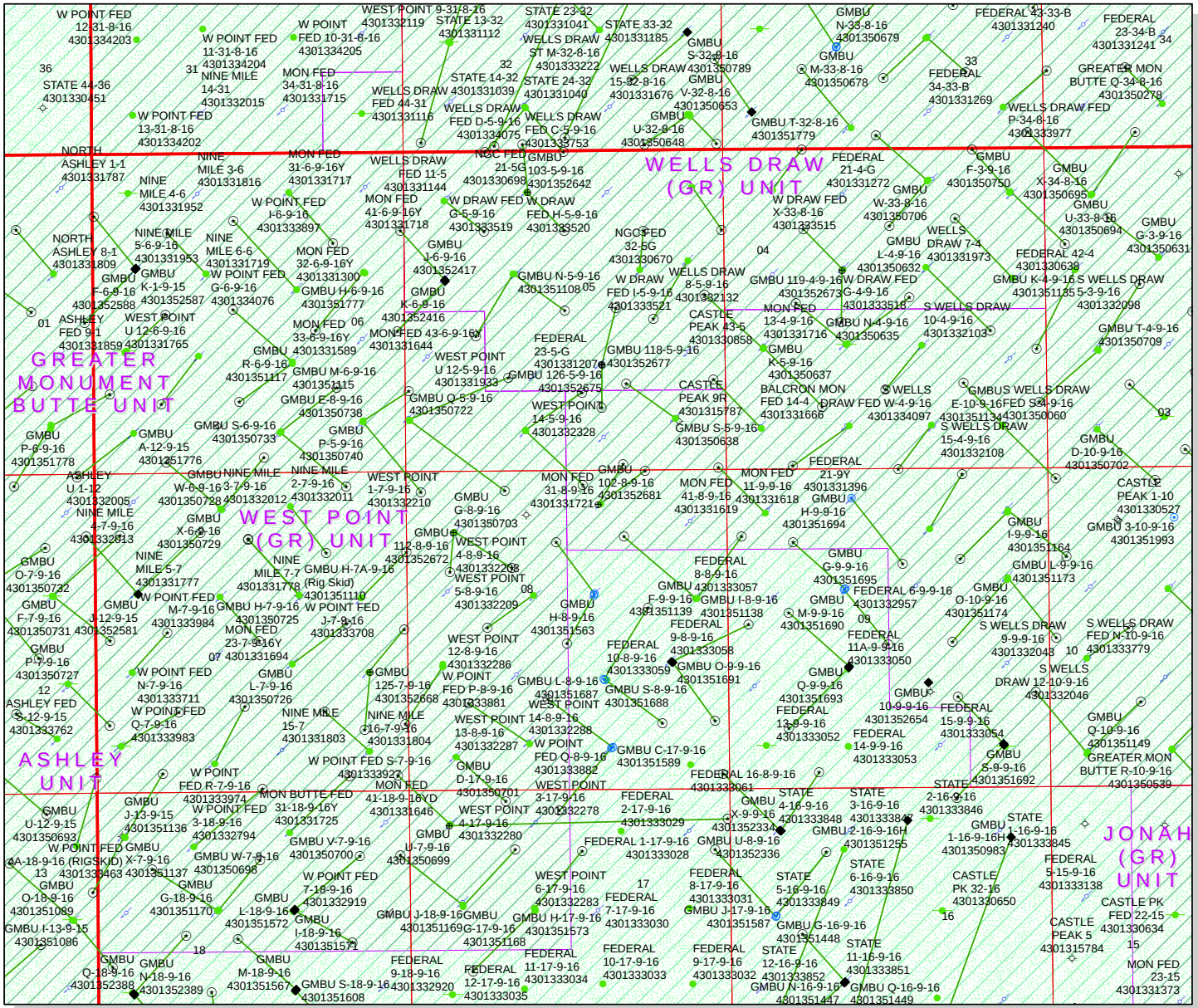
Michael Coulthard

Digitally signed by Michael Coulthard
DN: cn=Michael Coulthard, o=Bureau of Land Management, ou=Division of Minerals, email=mcoultha@blm.gov, c=US
Date: 2013.11.18 10:01:01 -07'00'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:11-18-13

API Well Number: 43013526810000




**API Number: 4301352681**

**Well Name: GMBU 102-8-9-16**

Township: T09.0S Range: R16.0E Section: 08 Meridian: S

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 11/20/2013
Map Produced by Diana Mason

**Wells Query**

**Status**

- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

**Units**

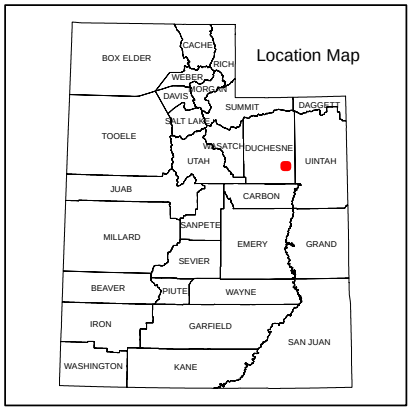
**STATUS**

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Fields**

**STATUS**

- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED




2,100 1,050 0 2,100 Feet

1:20,448

RECEIVED: November 20, 2013

# WORKSHEET
# APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 11/14/2013 **API NO. ASSIGNED:** 43013526810000
**WELL NAME:** GMBU 102-8-9-16
**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825
**CONTACT:** Mandie Crozier

**PROPOSED LOCATION:** NWNE 08 090S 160E **Permit Tech Review:** ☑

**SURFACE:** 0541 FNL 2107 FEL **Engineering Review:** ☐

**BOTTOM:** 0119 FSL 1687 FEL **Geology Review:** ☑

**COUNTY:** DUCHESNE
**LATITUDE:** 40.05112 **LONGITUDE:** -110.14139
**UTM SURF EASTINGS:** 573236.00 **NORTHINGS:** 4433784.00
**FIELD NAME:** MONUMENT BUTTE
**LEASE TYPE:** 1 - Federal
**LEASE NUMBER:** UTU-020255 **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER
**SURFACE OWNER:** 1 - Federal **COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - WYB000493
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

**Commingling Approved**

**LOCATION AND SITING:**

- ☐ **R649-2-3.**

**Unit:** GMBU (GRRV)

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

**Board Cause No:** Cause 213-11
**Effective Date:** 11/30/2009
**Siting:** Suspends General Siting

- ☑ **R649-3-11. Directional Drill**

**Comments:** Presite Completed

**Stipulations:**
4 - Federal Approval - dmason
15 - Directional - dmason
27 - Other - bhill

RECEIVED: November 26, 2013

GARY R. HERBERT
*Governor*
SPENCER J. COX
*Lieutenant Governor*

# State of Utah
**DEPARTMENT OF NATURAL RESOURCES**
MICHAEL R. STYLER
*Executive Director*
**Division of Oil, Gas and Mining**
JOHN R. BAZA
*Division Director*

# Permit To Drill
**********

**Well Name:** GMBU 102-8-9-16
**API Well Number:** 43013526810000
**Lease Number:** UTU-020255
**Surface Owner:** FEDERAL
**Approval Date:** 11/26/2013

**Issued to:**
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

**Authority:**
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

**Notification Requirements:**
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at http://oilgas.ogm.utah.gov

**Reporting Requirements:**
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

For John Rogers
Associate Director, Oil & Gas

**FEDERAL APPROVAL OF THIS ACTION IS NECESSARY**

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:**
UTU-020255

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**
GMBU (GRRV)

**1. TYPE OF WELL**
Oil Well

**8. WELL NAME and NUMBER:**
GMBU 102-8-9-16

**2. NAME OF OPERATOR:**
NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:**
43013526810000

**3. ADDRESS OF OPERATOR:**
Rt 3 Box 3630 , Myton, UT, 84052

**PHONE NUMBER:**
435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:**
MONUMENT BUTTE

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:**
0541 FNL 2107 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**
Qtr/Qtr: NWNE Section: 08 Township: 09.0S Range: 16.0E Meridian: S

**COUNTY:**
DUCHESNE

**STATE:**
UTAH

**11.**
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>1/15/2014 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: Closed Loop Drilling |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

At the time of the on-site, it was determined that a Closed Loop Drilling System should be used on this well. See attached SUP reflecting this revision.

**Accepted by the Utah Division of Oil, Gas and Mining**

**Date:** January 16, 2014

**By:** Dark K Quist

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Mandie Crozier | 435 646-4825 | Regulatory Tech |
| **SIGNATURE** | | **DATE** |
| N/A | | 1/15/2014 |

RECEIVED: Jan. 15, 2014

**NEWFIELD PRODUCTION COMPANY**
**GMBU 102-8-9-16**
**AT SURFACE: NW/NE SECTION 8, T9S R16E**
**DUCHESNE COUNTY, UTAH**

# ONSHORE ORDER NO. 1

## *MULTI-POINT SURFACE USE & OPERATIONS PLAN*

### *1. EXISTING ROADS*

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU 102-8-9-16 located in the NW 1/4 NE 1/4 Section 8, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 6.2 miles ± to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 6.2 miles ± to it's junction with an existing road to the east; proceed easterly – 0.3 miles ± to it's junction with the beginning of the access road to the existing 31-8-9-16 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

### *2. PLANNED ACCESS ROAD*

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 31-8-9-16 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

### *3. LOCATION OF EXISTING WELLS*

Refer to Exhibit "B".

### *4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES*

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

RECEIVED: Jan. 15, 2014

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

***5. LOCATION AND TYPE OF WATER SUPPLY***

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-7478

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

***6. SOURCE OF CONSTRUCTION MATERIALS***

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

***7. METHODS FOR HANDLING WASTE DISPOSAL***

**Closed Loop Drilling**
As directed by the authorized BLM officer, Newfield Production will be required to drill the proposed well with a Closed Loop Drilling System.
A small cuttings pit will be constructed inboard of the pad area. The pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore using a conventional closed-loop system. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

***8. ANCILLARY FACILITIES***

RECEIVED: Jan. 15, 2014

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

***9.*** ***WELL SITE LAYOUT***

See attached Location Layout Sheet.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE**:

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

***11.*** ***SURFACE OWNERSHIP*** – Bureau of Land Management.

***12.*** ***OTHER ADDITIONAL INFORMATION***

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit # U-13-MQ-0886b, 10/22/13, prepared by Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade Miller, 10/03/13. See attached report cover pages.

**Water Disposal**
After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

**Additional Surface Stipulations**
All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

**Hazardous Material Declaration**
Newfield Production Company guarantees that during the drilling and completion of the GMBU 102-8-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU 102-8-9-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

RECEIVED: Jan. 15, 2014

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative
Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #102-8-9-16, Section 8, Township 9S, Range 16E: Lease UTU-020255 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

1/15/14 (Revision)
Date

mcrozier@newfield.com
Digitally signed by mcrozier@newfield.com
DN: cn=mcrozier@newfield.com
Date: 2014.01.15 16:34:39 -07'00'

Mandie Crozier
Regulatory Analyst
Newfield Production Company

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-020255

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** GMBU (GRRV)

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** GMBU 102-8-9-16

**2. NAME OF OPERATOR:** NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:** 43013526810000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052

**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:** MONUMENT BUTTE

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0541 FNL 2107 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NWNE Section: 08 Township: 09.0S Range: 16.0E Meridian: S

**COUNTY:** DUCHESNE

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT Approximate date work will start: 11/26/2014 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Newfield proposes to extend the Application for Permit to Drill this well.

Approved by the Utah Division of Oil, Gas and Mining
November 10, 2014
Date:
By:

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Mandie Crozier | 435 646-4825 | Regulatory Tech |
| **SIGNATURE** N/A | | **DATE** 11/5/2014 |

RECEIVED: Nov. 05, 2014

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43013526810000

**API:** 43013526810000
**Well Name:** GMBU 102-8-9-16
**Location:** 0541 FNL 2107 FEL QTR NWNE SEC 08 TWNP 090S RNG 160E MER S
**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY
**Date Original Permit Issued:** 11/26/2013

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Mandie Crozier **Date:** 11/5/2014
**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Nov. 05, 2014

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

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**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-020255

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** GMBU (GRRV)

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** GMBU 102-8-9-16

**2. NAME OF OPERATOR:** NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:** 43013526810000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052

**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:** MONUMENT BUTTE

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0541 FNL 2107 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NWNE Section: 08 Township: 09.0S Range: 16.0E Meridian: S

**COUNTY:** DUCHESNE

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT Approximate date work will start: 11/26/2015 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
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| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Newfield proposes to extend the Application for Permit to Drill this well.

Approved by the
Utah Division of
Oil, Gas and Mining
November 10, 2015

Date:

By:

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Mandie Crozier | 435 646-4825 | Regulatory Tech |
| **SIGNATURE** N/A | | **DATE** 11/10/2015 |

**The Utah Division of Oil, Gas, and Mining**

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43013526810000

**API:** 43013526810000
**Well Name:** GMBU 102-8-9-16
**Location:** 0541 FNL 2107 FEL QTR NWNE SEC 08 TWNP 090S RNG 160E MER S
**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY
**Date Original Permit Issued:** 11/26/2013

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

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- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
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- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Mandie Crozier **Date:** 11/10/2015
**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Nov. 10, 2015

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 04 2016
BLM Vernal UT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***

***SUBMIT IN TRIPLICATE - Other instructions on reverse side.***

5. Lease Serial No.
UTU020255

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
UTU87538X

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
GMBU 102-8-9-16

2. Name of Operator
NEWFIELD PRODUCTION COMPANY
Contact: MANDIE CROZIER
E-Mail: MCROZIER@NEWFIELD.COM

9. API Well No.
43-013-52681

3a. Address
ROUTE 3 BOX 3630
MYTON, UT 84052

3b. Phone No. (include area code)
Ph: 435-646-4825

10. Field and Pool, or Exploratory
MONUMENT BUTTE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 8 T9S R16E Mer SLB NWNE 541FNL 2107FEL

11. County or Parish, and State
DUCHESNE COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☒ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other Change to Original A PD |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield proposes to extend the Application for Permit to Drill this well. The APD was originally approved on March 28, 2014.

APD - 3/28/14

NEPA - 2014-083 EA

RECEIVED
MAR 01 2016
DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

VERNAL FIELD OFFICE
ENG. RHA 2/18/16
GEOL.
E.S.
PET
RECL

14. I hereby certify that the foregoing is true and correct.
**Electronic Submission #330804 verified by the BLM Well Information System**
**For NEWFIELD PRODUCTION COMPANY, sent to the Vernal**
**Committed to AFMSS for processing by STEVE HIRSCHI on 02/10/2016 ()**

Name *(Printed/Typed)* MANDIE CROZIER — Title REGULATORY SPECIALIST

Signature (Electronic Submission) — Date 02/04/2016

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By — Title ~~Assistant Field Manager~~ Lands & Mineral Resources — FEB 19 2016

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office VERNAL FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

UDOGM

# CONDITIONS OF APPROVAL

## Newfield Exploration Company

### Notice of Intent
### APD Extension

**Lease:** UTU-020255
**Well:** GMBU 102-8-9-16
**Location:** NWSE Sec 8-T9S-R16E

An extension for the referenced APD is granted with the following conditions:

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1. The extension and APD shall expire on 03/28/2018.

2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Robin L Hansen of this office at (435) 781-2777

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-020255

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** GMBU (GRRV)

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** GMBU 102-8-9-16

**2. NAME OF OPERATOR:** NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:** 43013526810000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052

**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:** MONUMENT BUTTE

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0541 FNL 2107 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NWNE Section: 08 Township: 09.0S Range: 16.0E Meridian: S

**COUNTY:** DUCHESNE

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT Approximate date work will start: 11/26/2016 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Newfield proposes to extend the Application for Permit to Drill this well.

Approved by the
November 14, 2016
Oil, Gas and Mining

Date: November 14, 2016

By:

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Mandie Crozier | 435 646-4825 | Regulatory Tech |
| **SIGNATURE** N/A | | **DATE** 11/8/2016 |

RECEIVED: Nov. 08, 2016

**The Utah Division of Oil, Gas, and Mining**

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43013526810000

**API:** 43013526810000
**Well Name:** GMBU 102-8-9-16
**Location:** 0541 FNL 2107 FEL QTR NWNE SEC 08 TWNP 090S RNG 160E MER S
**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY
**Date Original Permit Issued:** 11/26/2013

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Mandie Crozier **Date:** 11/8/2016
**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Nov. 08, 2016